Test data, continued

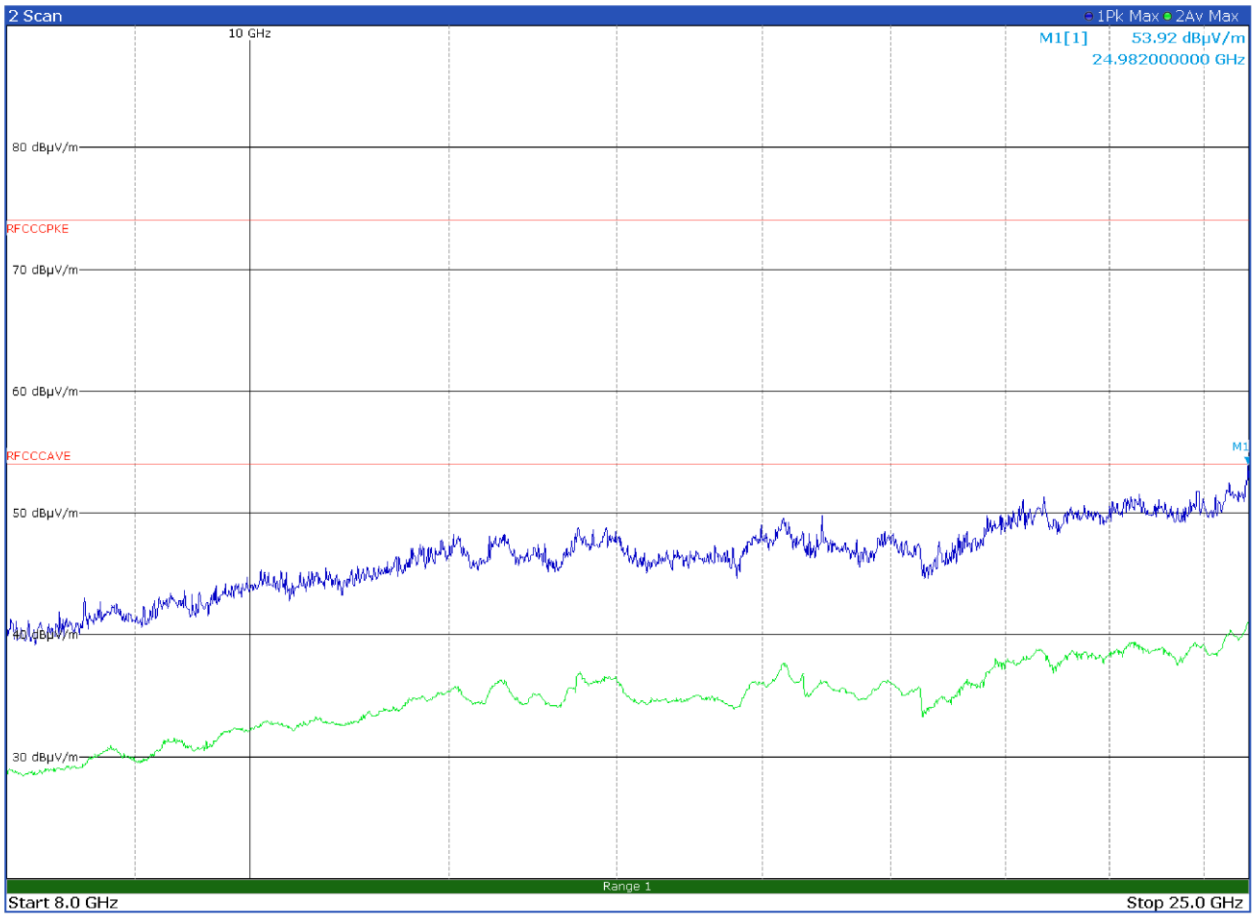


Figure 8.6-47: *Radiated spurious emissions for mid channel 8-DPSK modulation – Antenna in horizontal polarization*

No spurious detected

Test data, continued

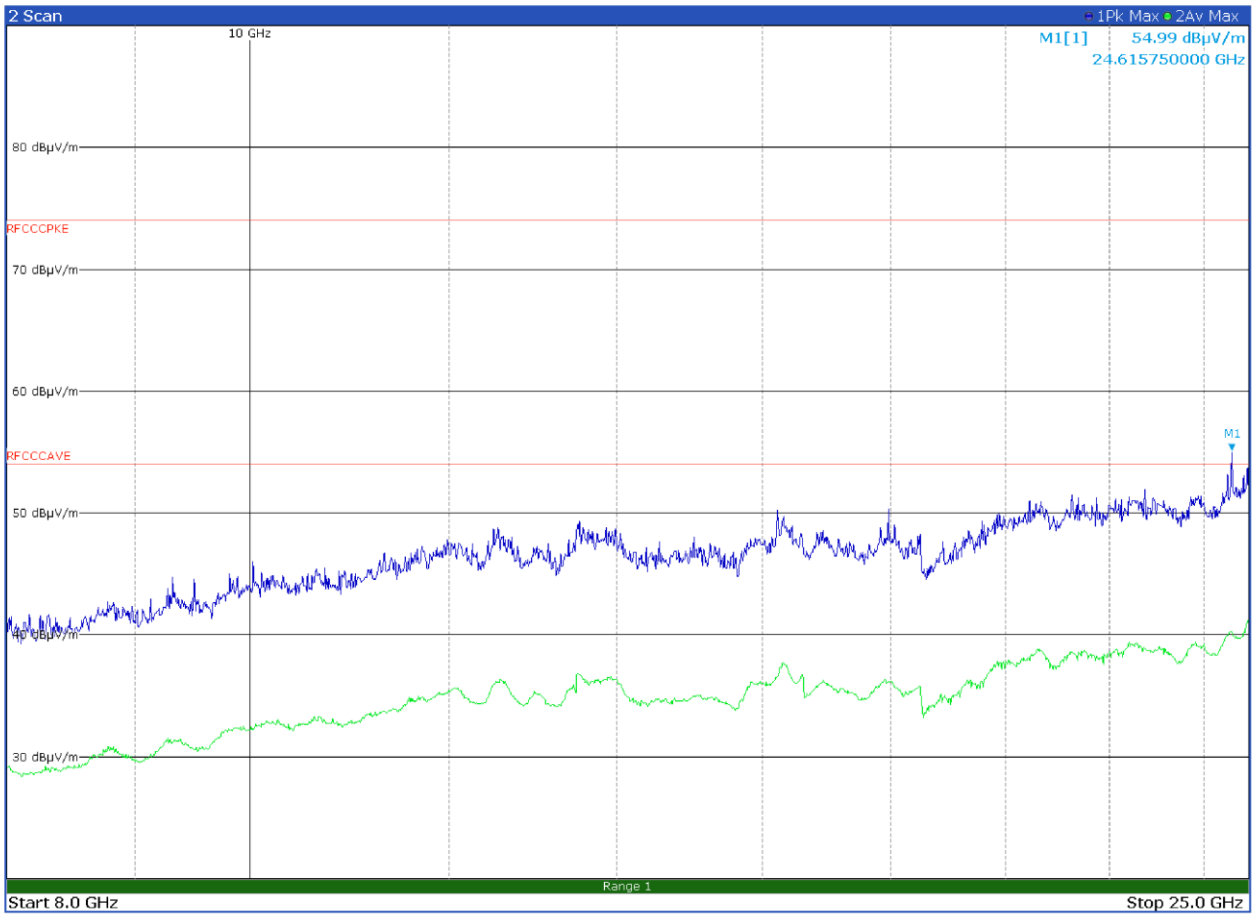


Figure 8.6-48: *Radiated spurious emissions for mid channel 8-DPSK modulation – Antenna in vertical polarization*

No spurious detected

Test data, continued

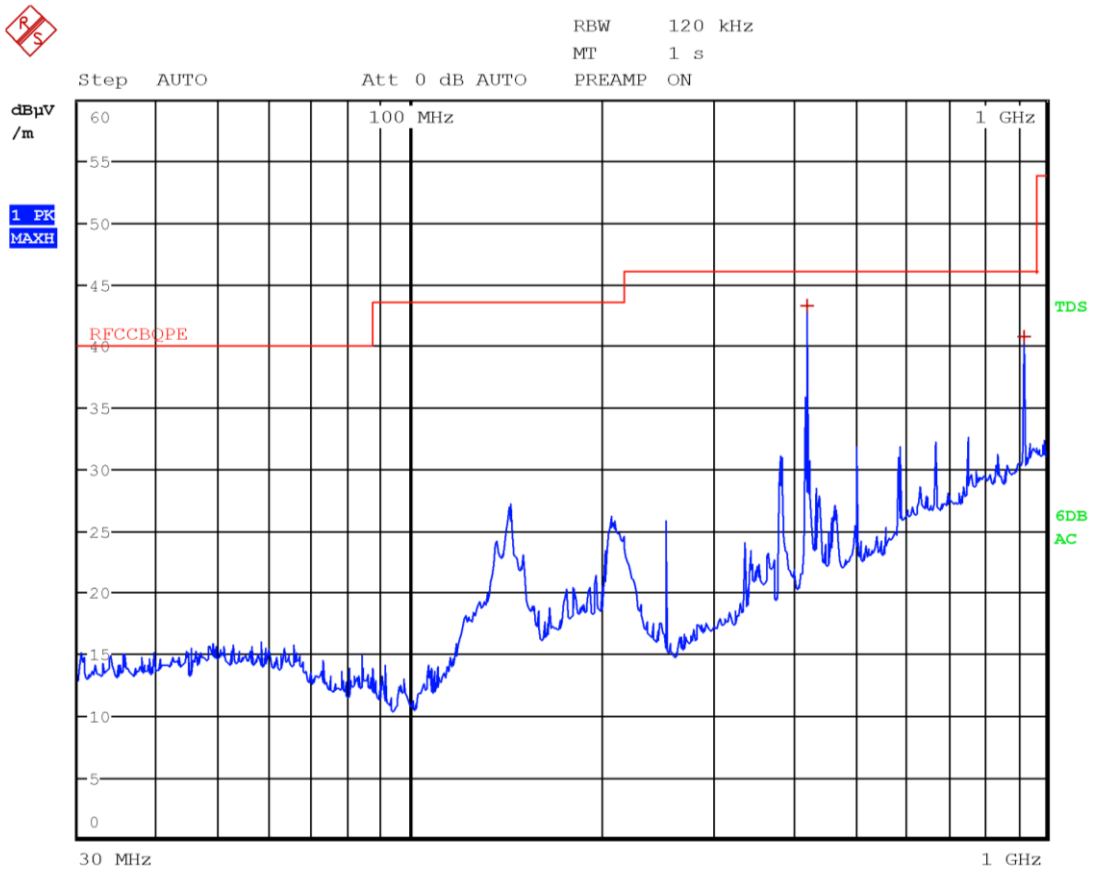


Figure 8.6-49: *Radiated spurious emissions for high channel GFSK modulation – Antenna in horizontal polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
419.9700	43.4	46.0	-2.6	QP
923.8800	40.8	46.0	-5.2	QP

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

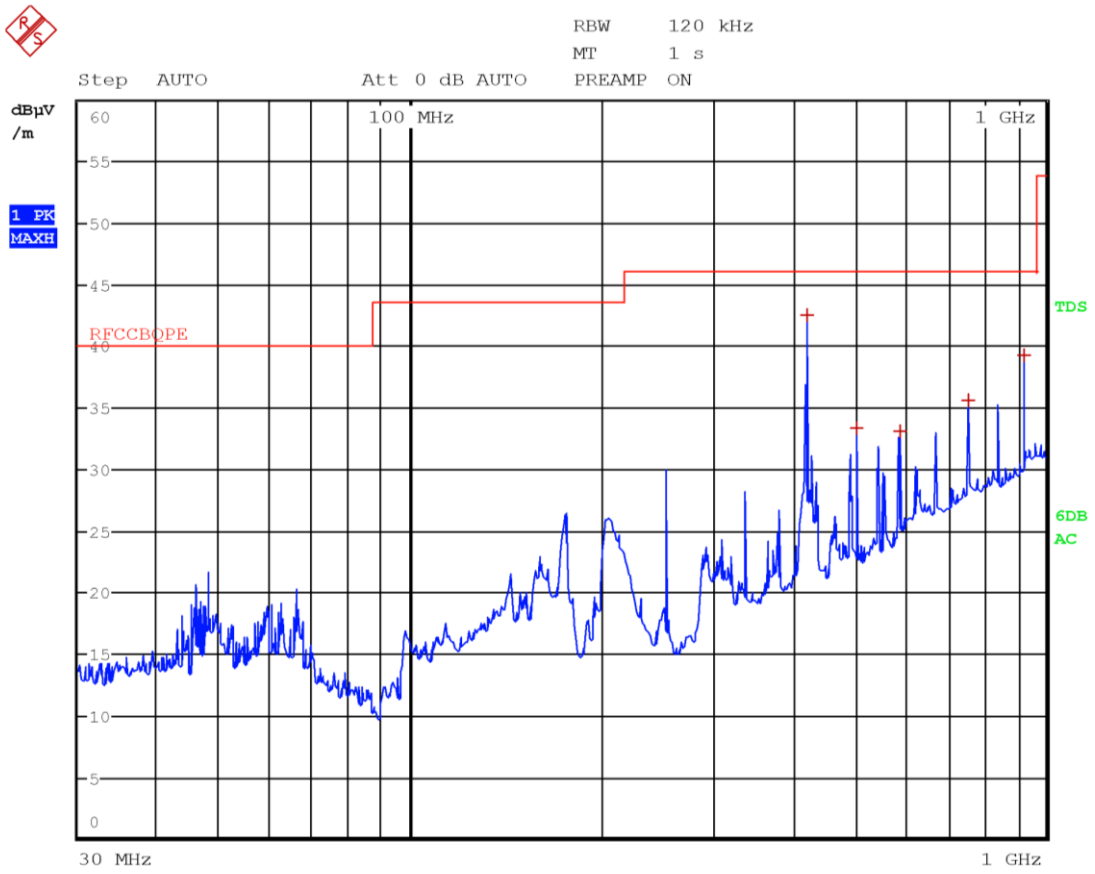


Figure 8.6-50: *Radiated spurious emissions for high channel GFSK modulation – Antenna in vertical polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
420.0000	42.6	46.0	-3.4	QP
504.0300	33.4	46.0	-12.6	QP
588.0000	33.2	46.0	-12.8	QP
755.9700	35.6	46.0	-10.4	QP
923.9700	39.3	46.0	-6.7	QP

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

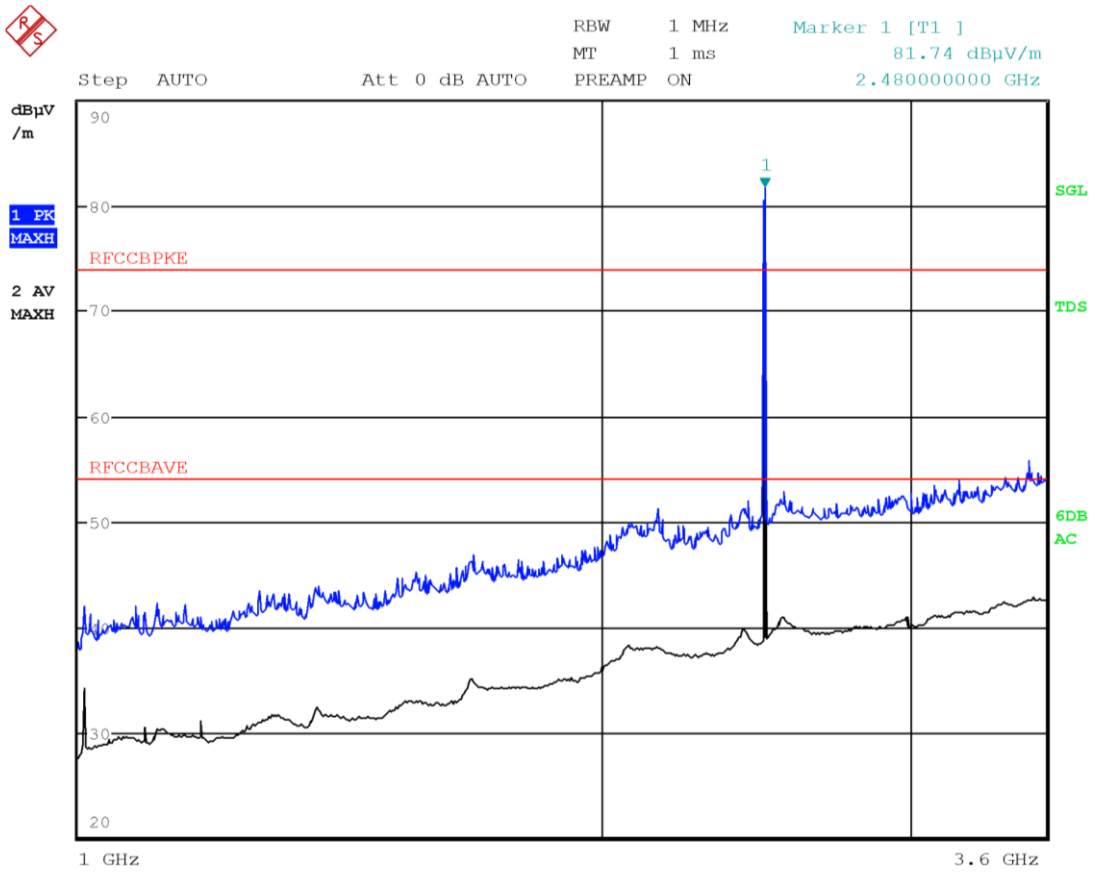


Figure 8.6-51: *Radiated spurious emissions for high channel GFSK modulation – Antenna in horizontal polarization*

No spurious detected – Limit exceeded by the carrier

Test data, continued

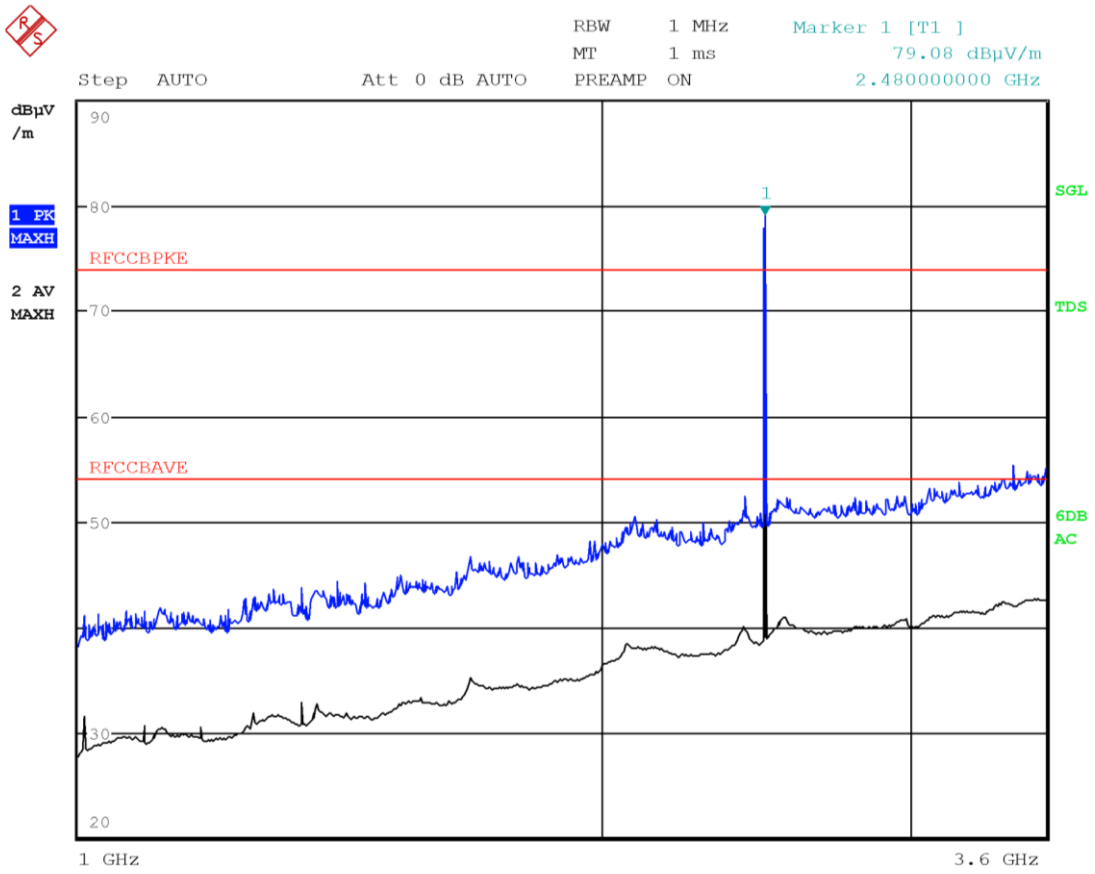


Figure 8.6-52: *Radiated spurious emissions for high channel GFSK modulation – Antenna in vertical polarization*

No spurious detected – Limit exceeded by the carrier

Test data, continued

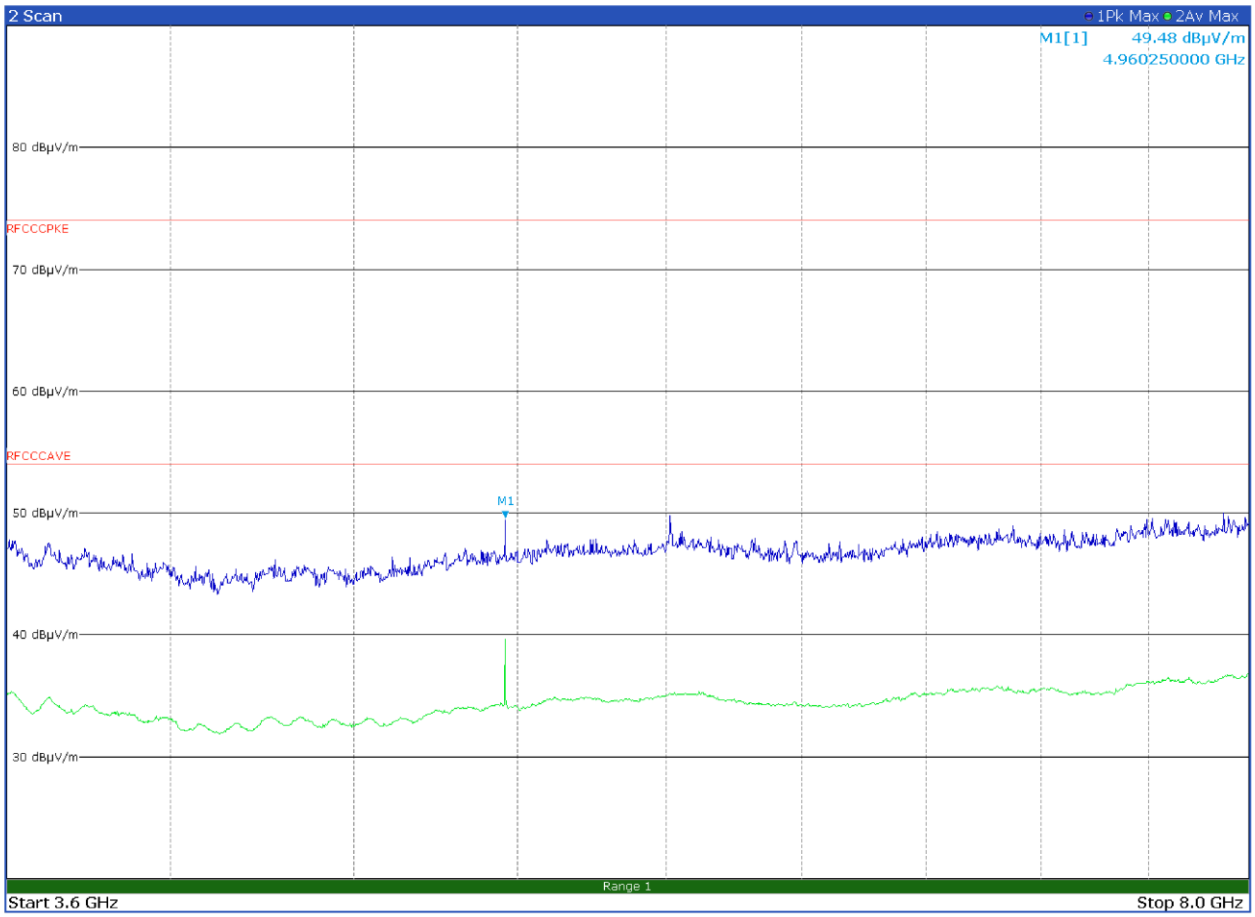


Figure 8.6-53: *Radiated spurious emissions for high channel GFSK modulation – Antenna in horizontal polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
4960.25	49.5	74.0	-24.5	PK
4960.25	48.8	54.0	-5.2	AV

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

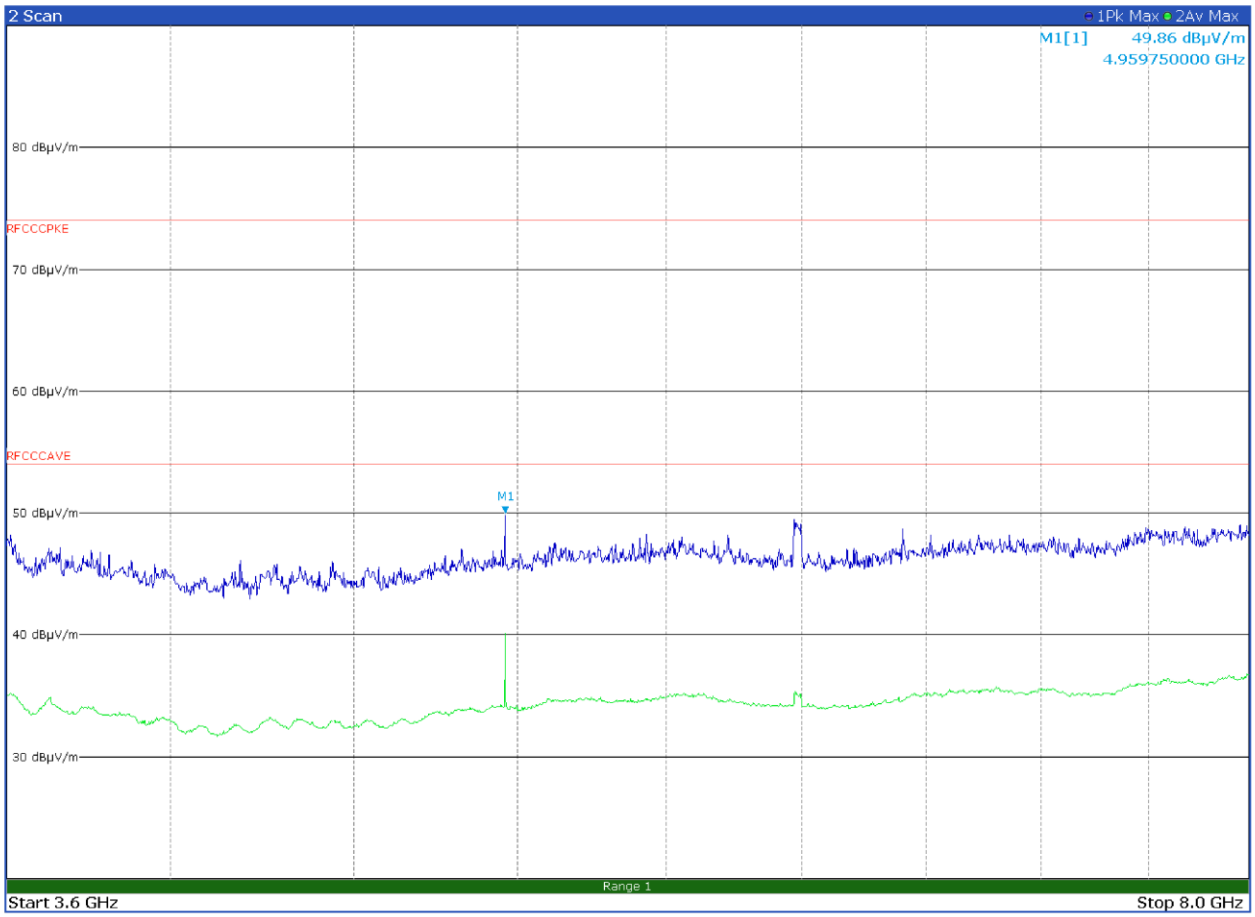


Figure 8.6-54: *Radiated spurious emissions for high channel GFSK modulation – Antenna in vertical polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
4960.25	49.9	74.0	-24.1	PK
4960.25	49.3	54.0	-4.7	AV

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

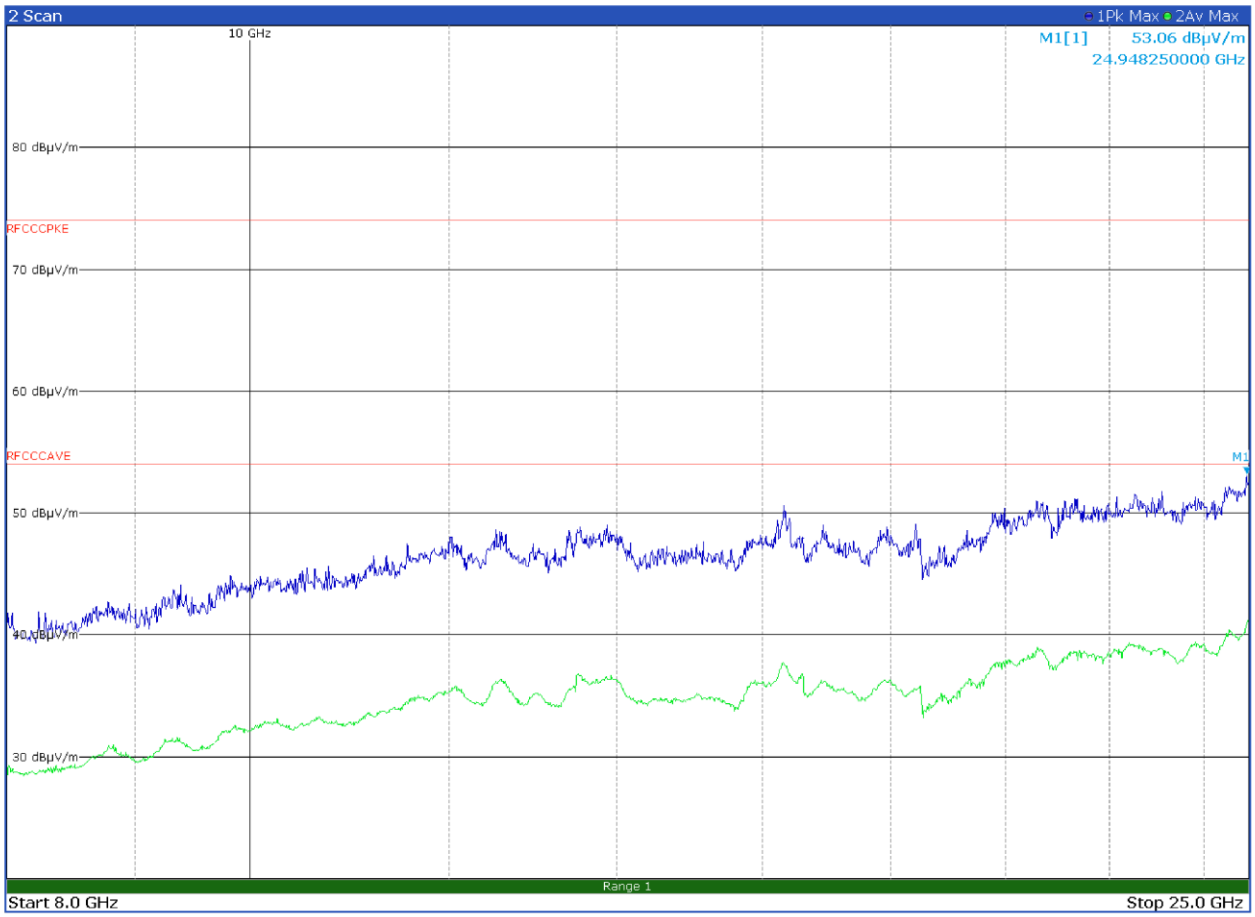


Figure 8.6-55: *Radiated spurious emissions for high channel GFSK modulation – Antenna in horizontal polarization*

No spurious detected

Test data, continued

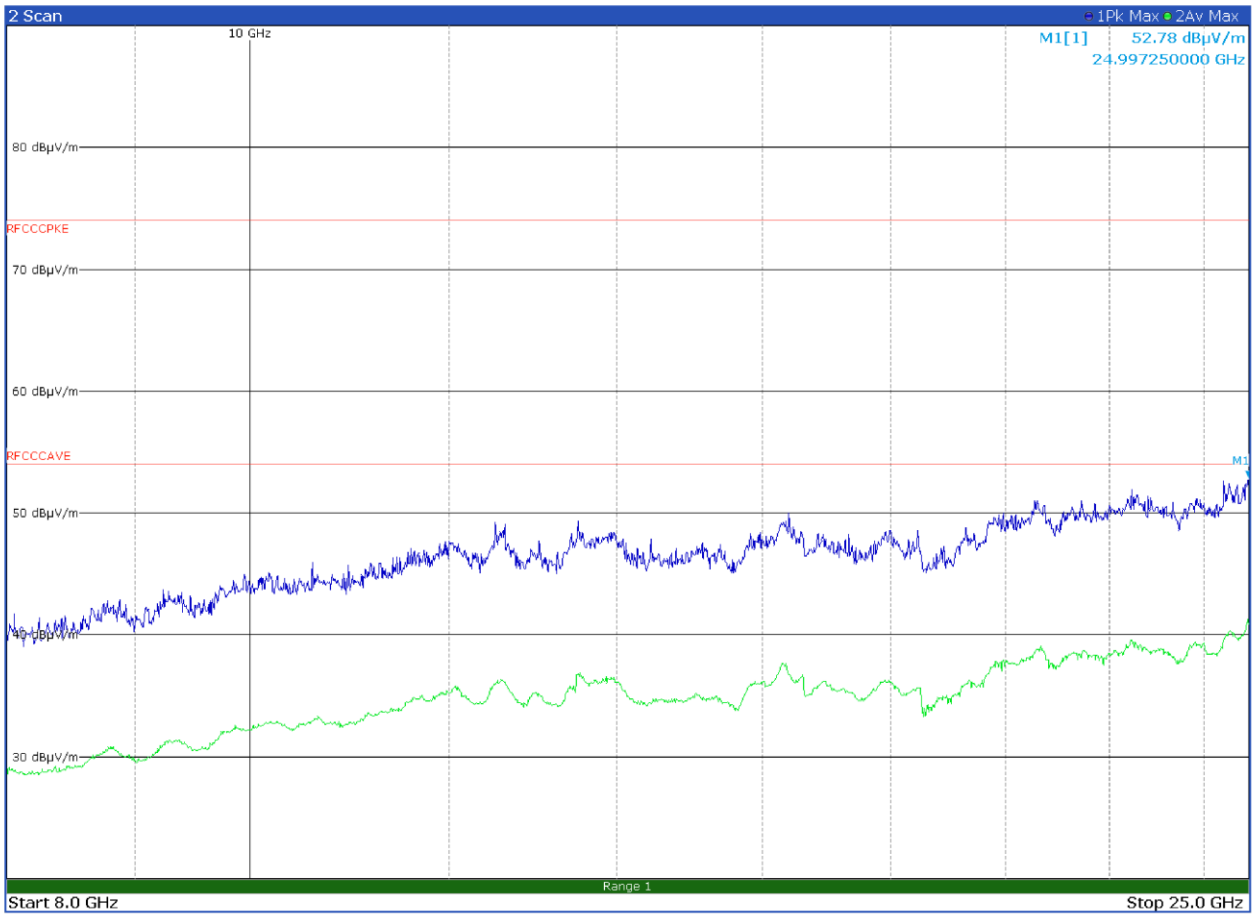


Figure 8.6-56: *Radiated spurious emissions for high channel GFSK modulation – Antenna in vertical polarization*

No spurious detected

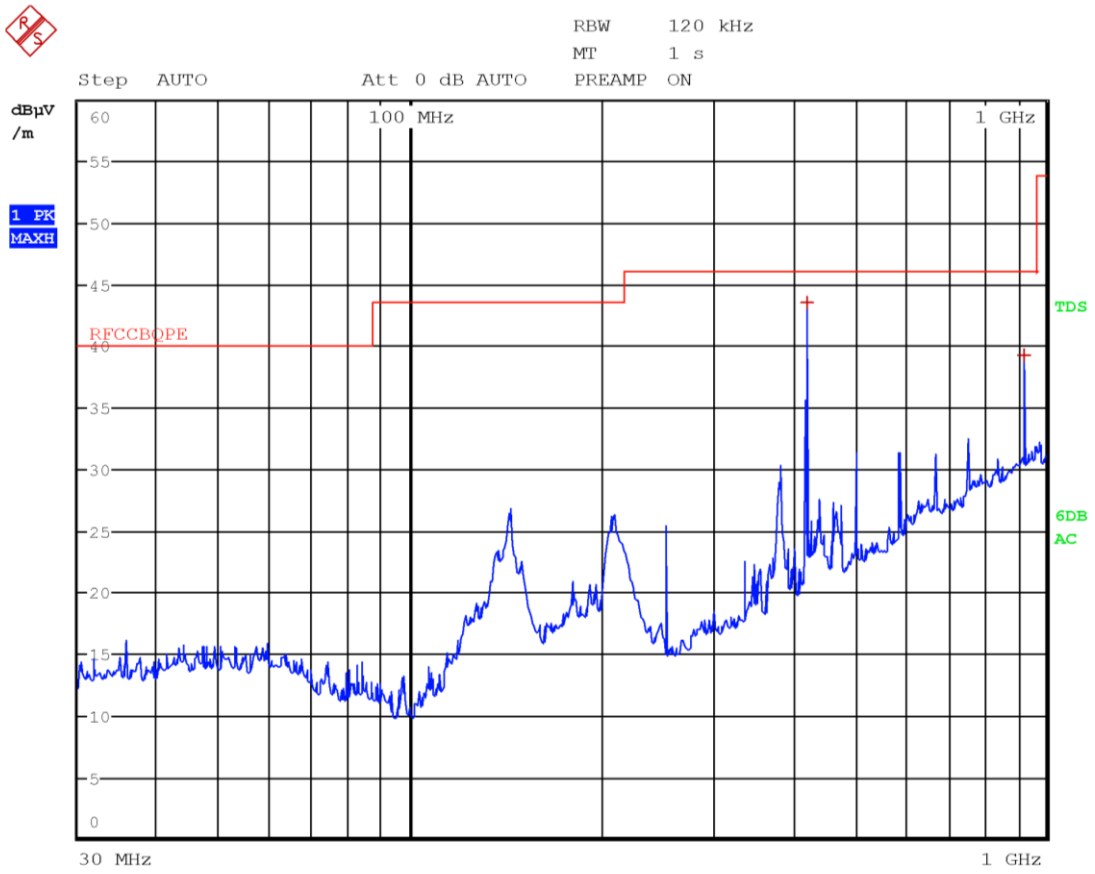


Figure 8.6-57: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in horizontal polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
420.0300	43.6	46.0	-2.4	QP
923.9700	39.3	46.0	-6.7	QP

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

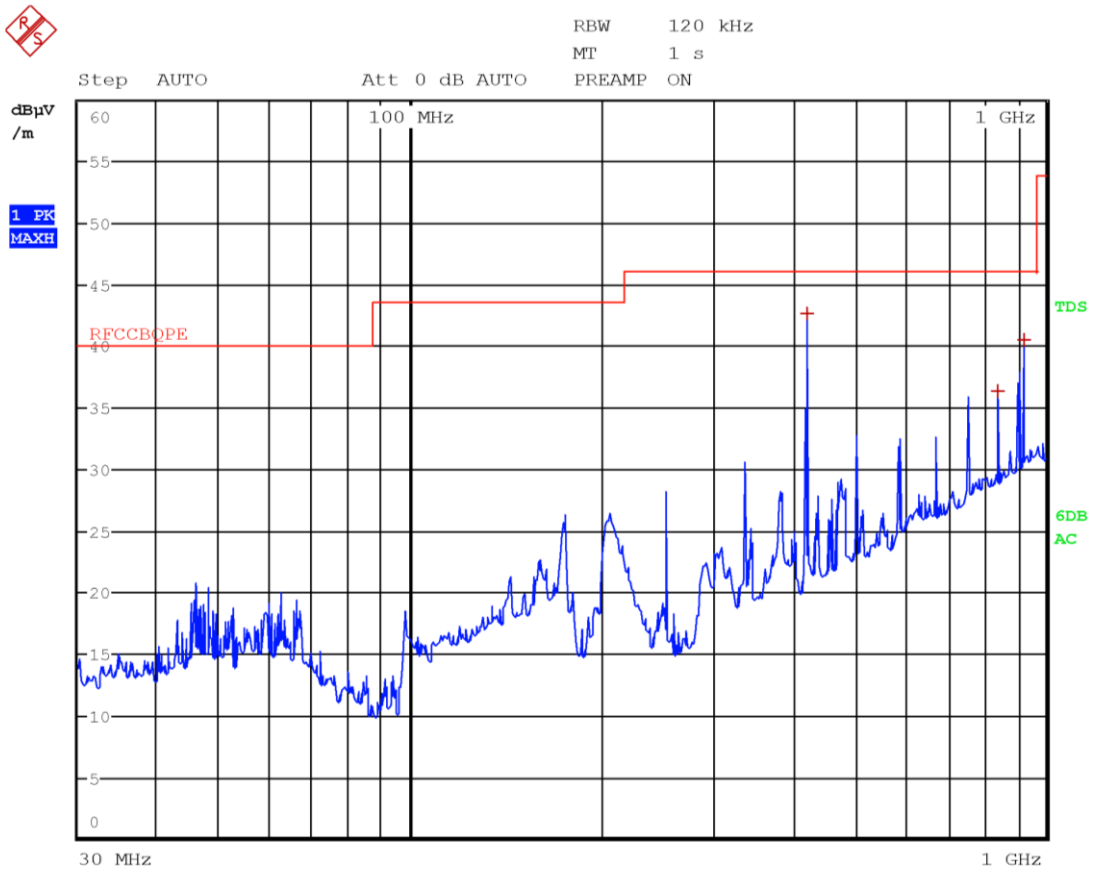


Figure 8.6-58: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in vertical polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
420.0000	42.8	46.0	-3.2	QP
840.0000	36.4	46.0	-9.6	QP
923.9100	40.6	46.0	-5.4	QP

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

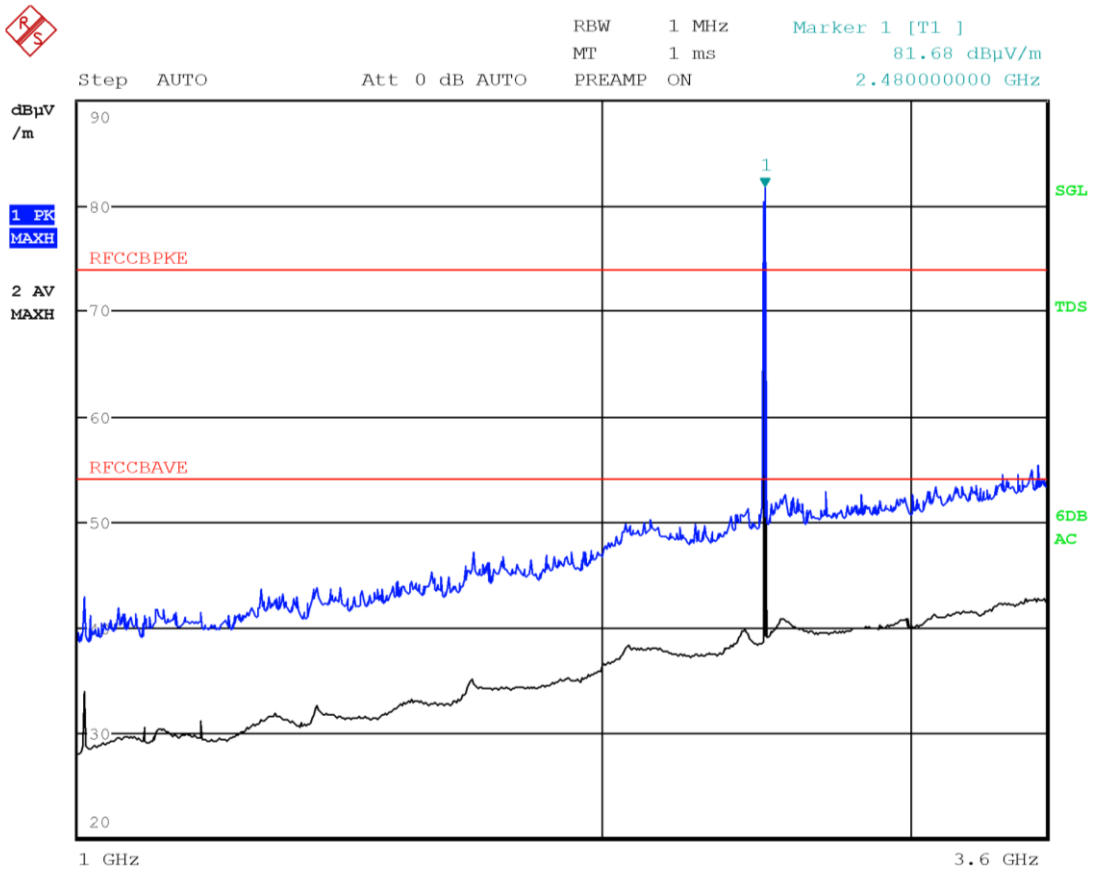


Figure 8.6-59: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in horizontal polarization*

No spurious detected – Limit exceeded by the carrier

Test data, continued

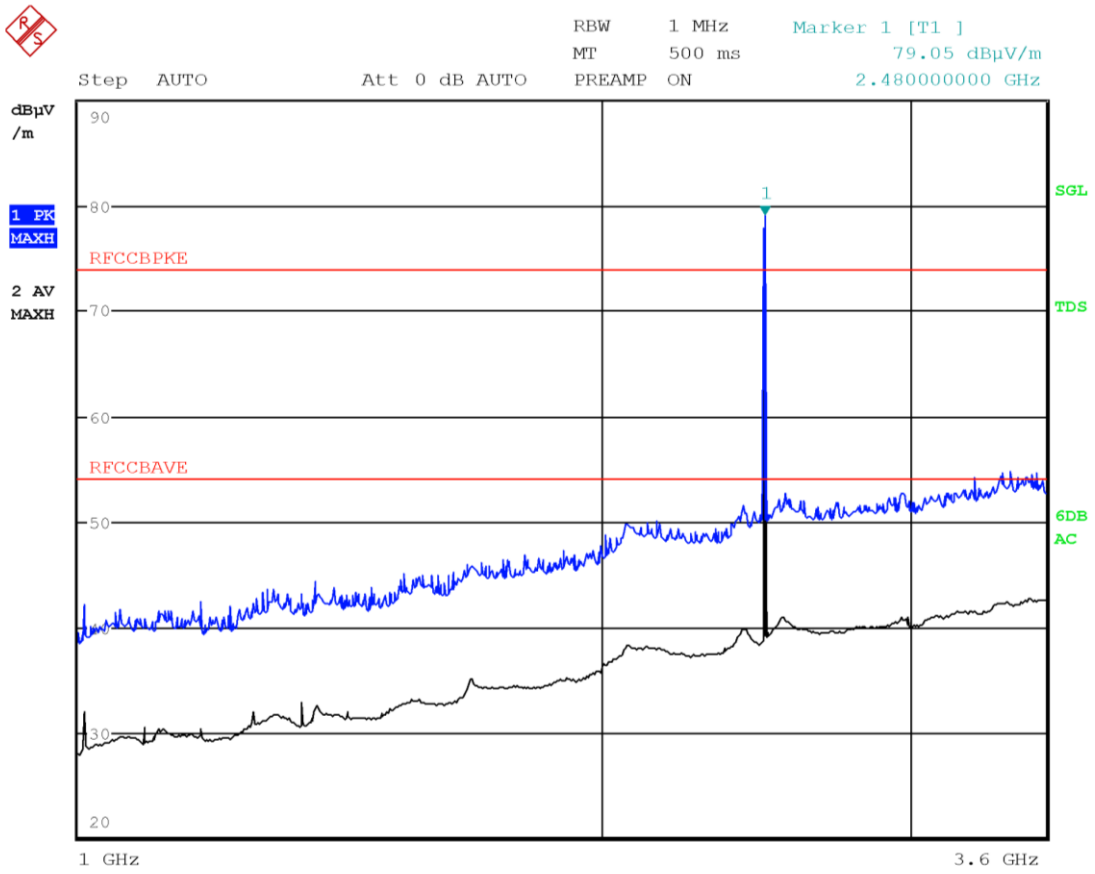


Figure 8.6-60: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in vertical polarization*

No spurious detected – Limit exceeded by the carrier

Test data, continued

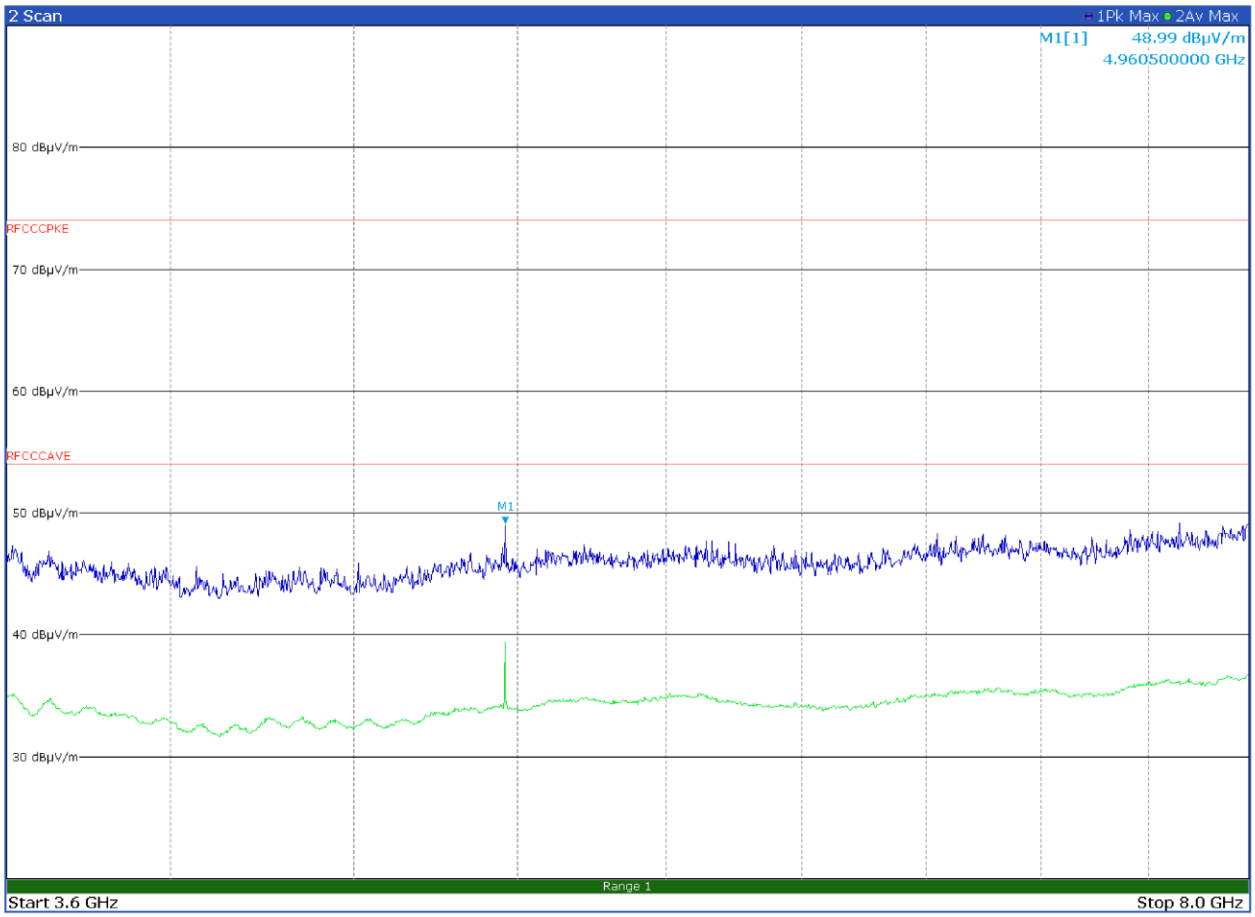


Figure 8.6-61: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in horizontal polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
4906.50	49.0	74.0	-25.0	PK
4906.50	48.5	54.0	-5.5	AV

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

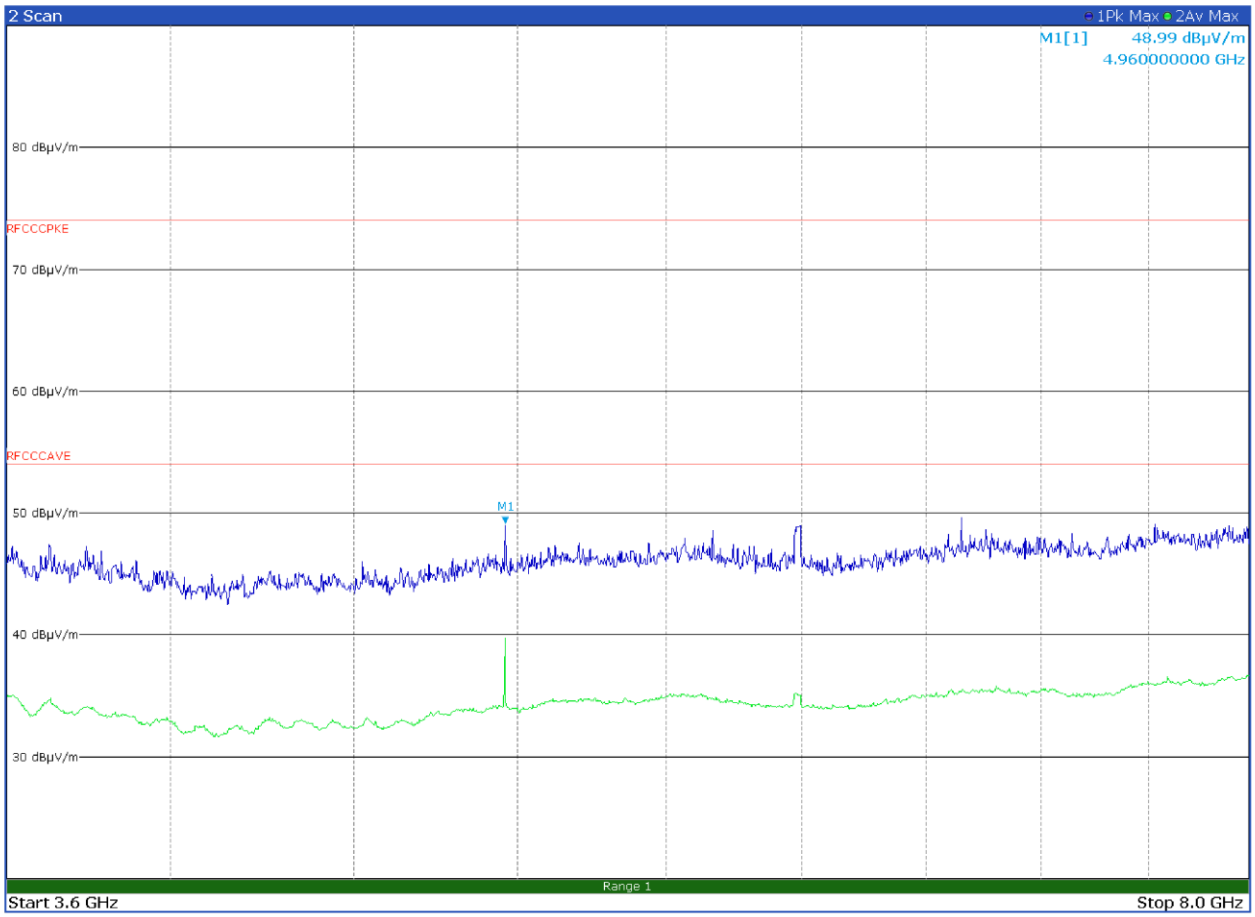


Figure 8.6-62: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in vertical polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
4906.00	49.0	74.0	-25.0	PK
4906.00	48.6	54.0	-5.4	AV

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

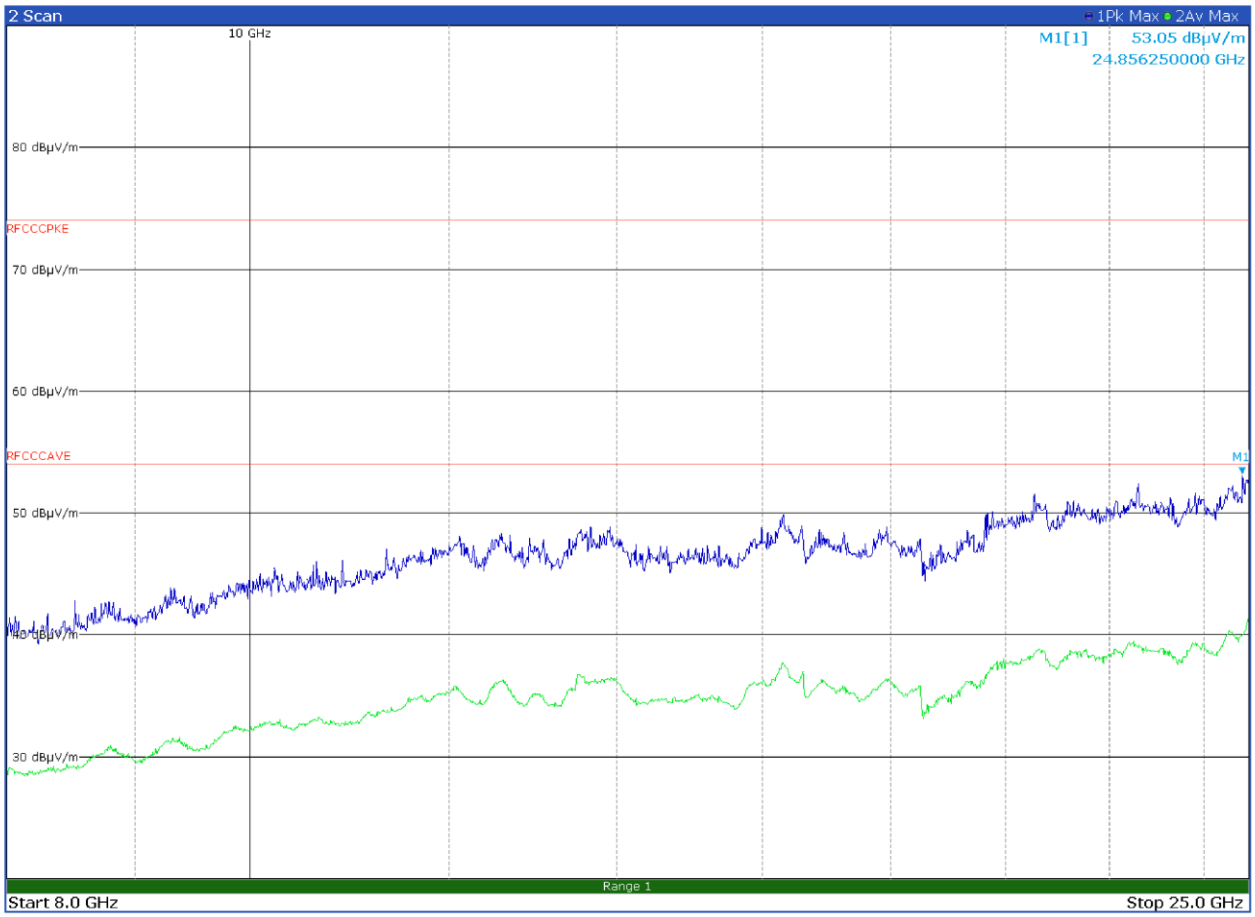


Figure 8.6-63: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in horizontal polarization*

No spurious detected

Test data, continued

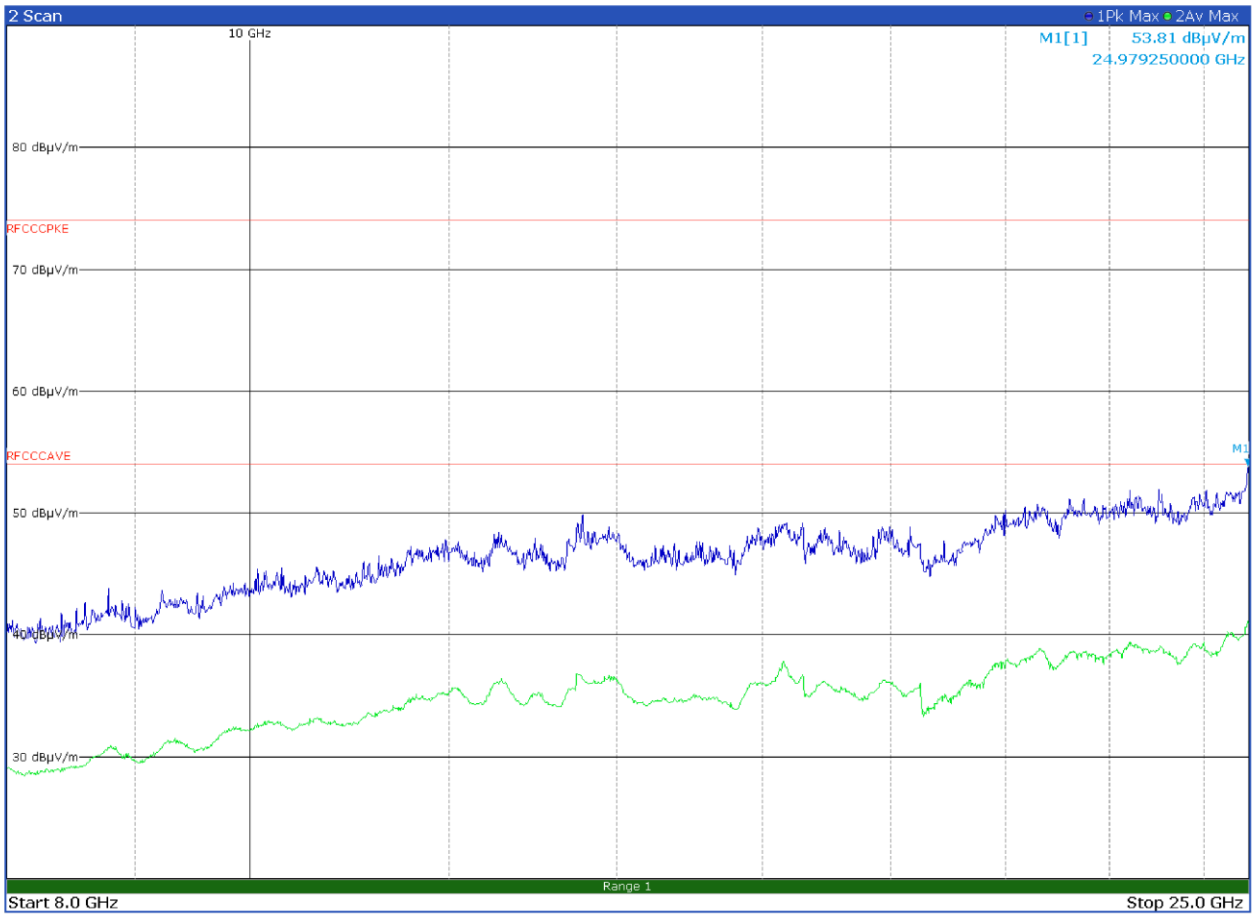


Figure 8.6-64: *Radiated spurious emissions for high channel π/4-DQPSK modulation – Antenna in vertical polarization*

No spurious detected

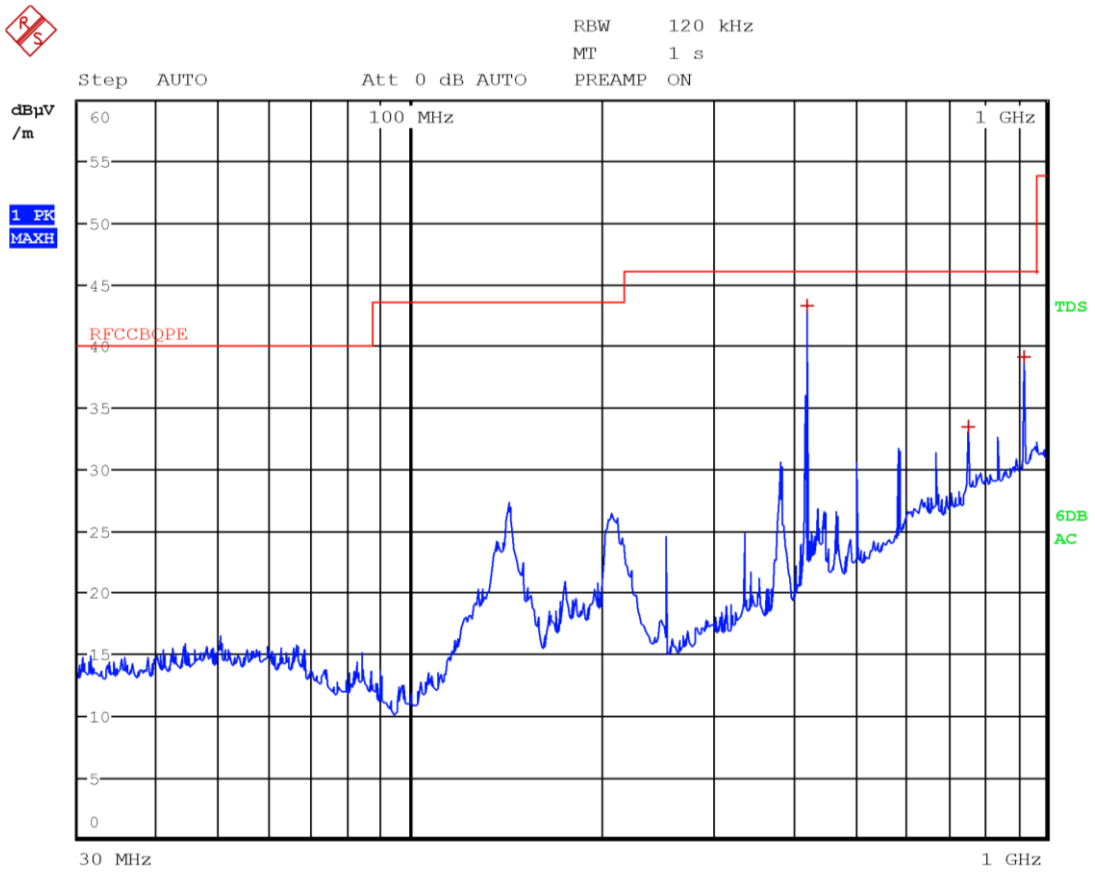


Figure 8.6-65: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in horizontal polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
419.9100	43.3	46.0	-2.7	QP
755.8800	33.5	46.0	-12.5	QP
924.0300	39.2	46.0	-6.8	QP

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

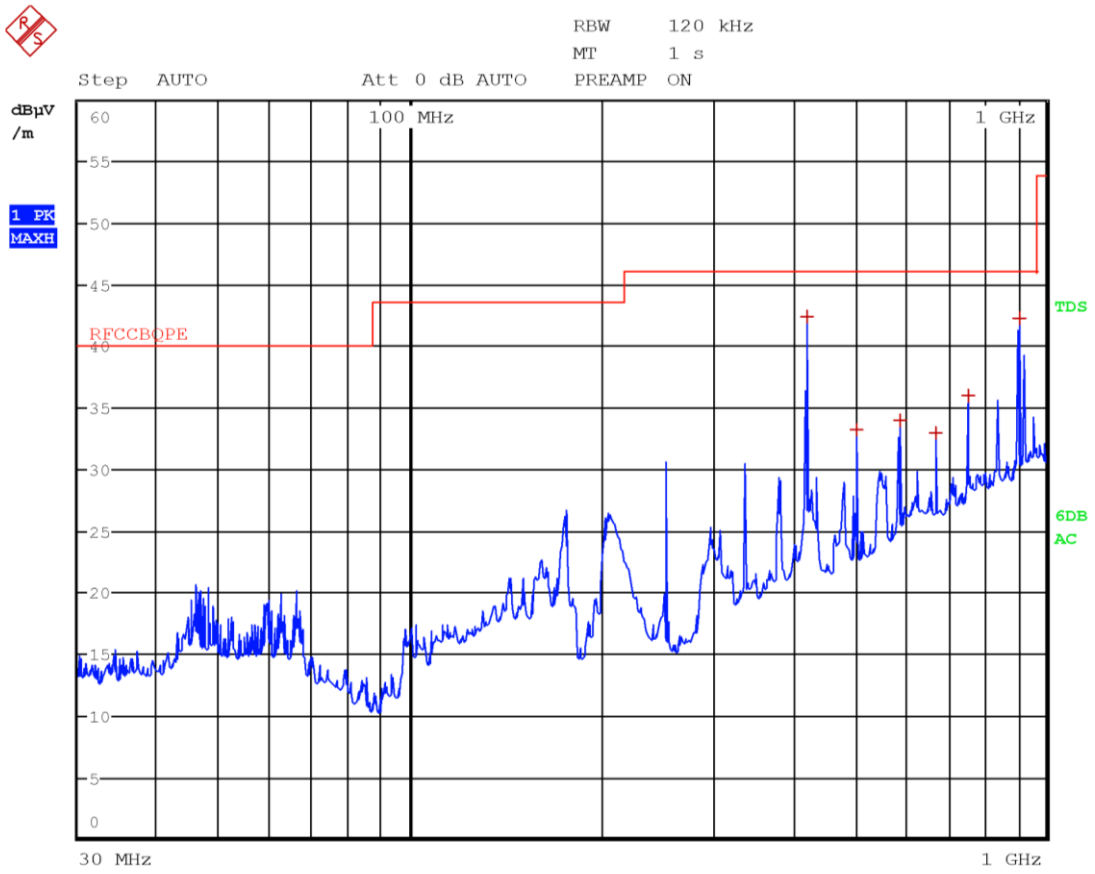


Figure 8.6-66: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in vertical polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
420.0000	42.5	46.0	-3.5	QP
504.0300	33.3	46.0	-12.7	QP
587.9700	34.1	46.0	-11.9	QP
672.0600	33.1	46.0	-12.9	QP
756.0600	36.0	46.0	-10.0	QP
908.0100	42.4	46.0	-3.6	QP

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

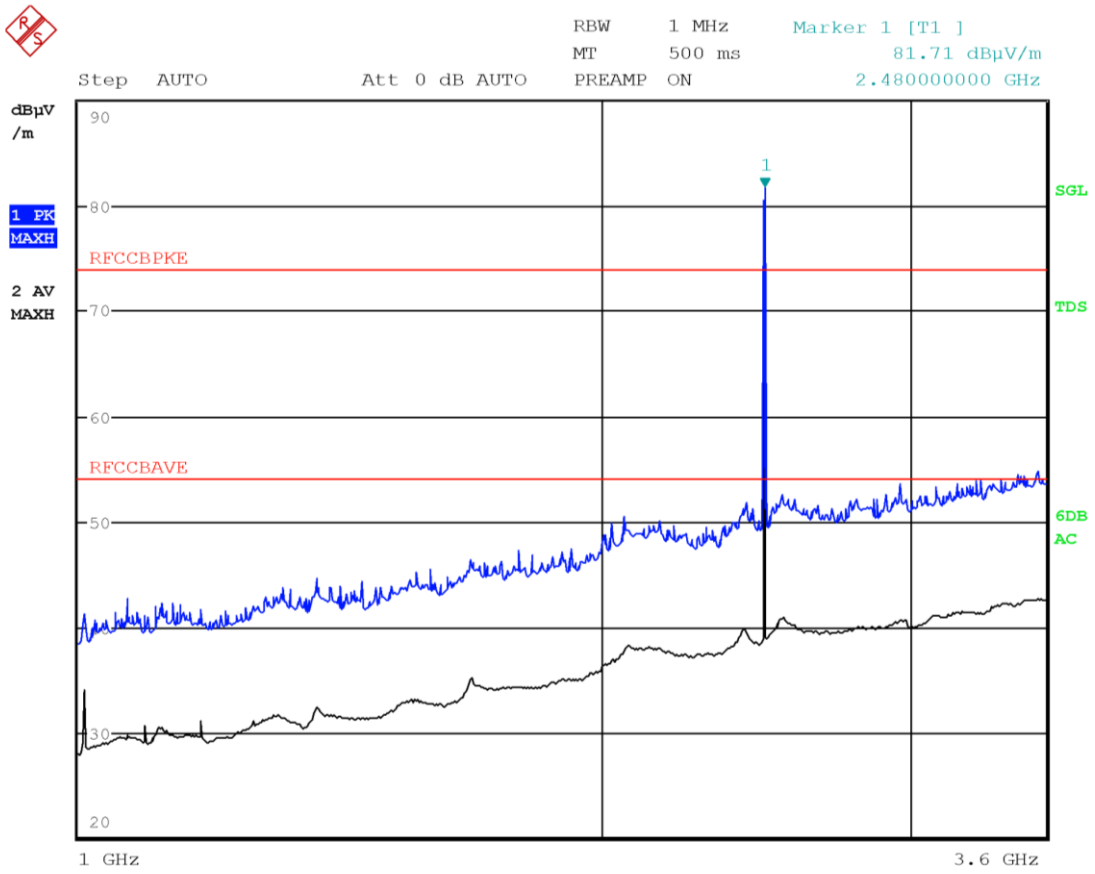


Figure 8.6-67: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in horizontal polarization*

No spurious detected – Limit exceeded by the carrier

Test data, continued

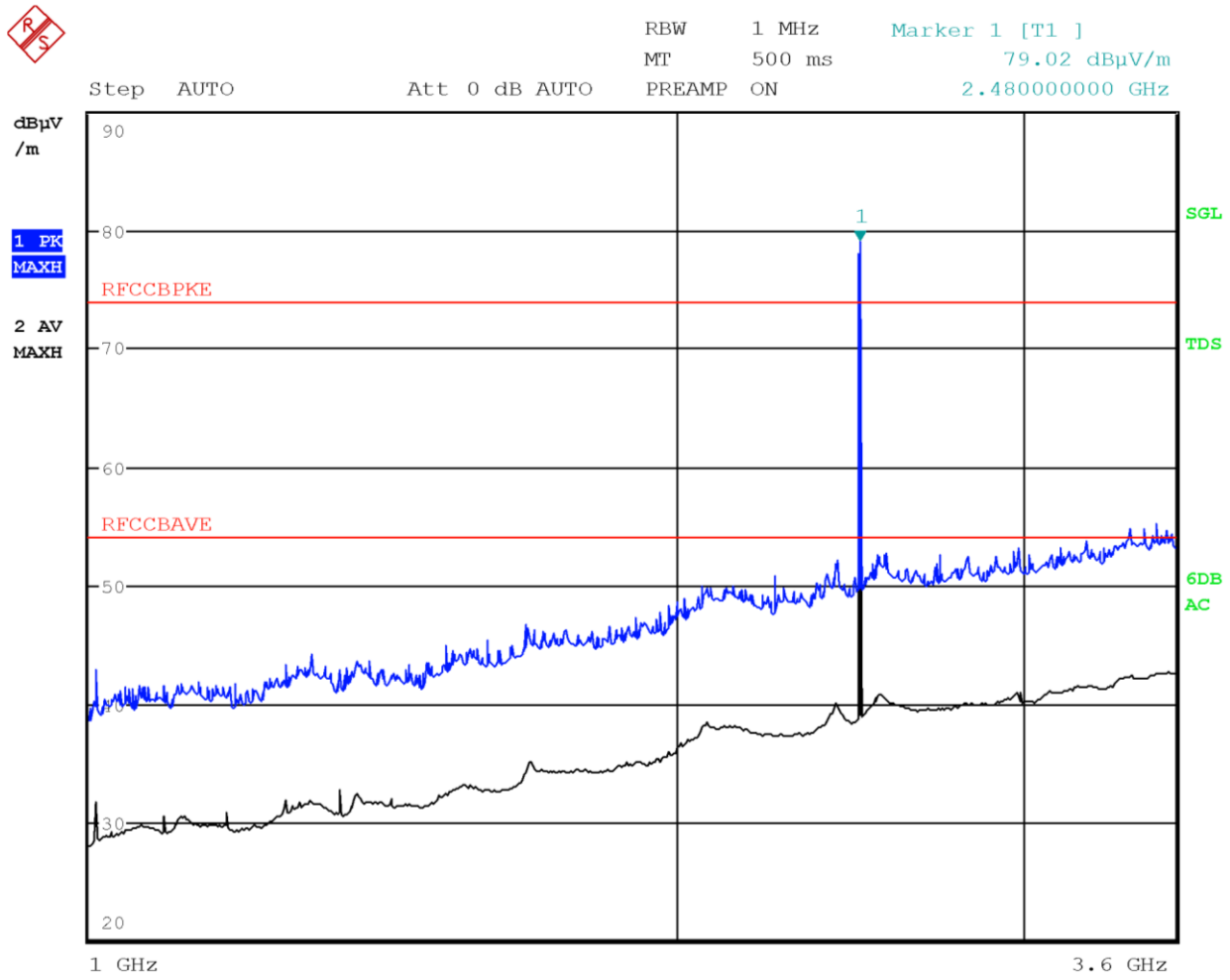


Figure 8.6-68: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in vertical polarization*

No spurious detected – Limit exceeded by the carrier

Test data, continued

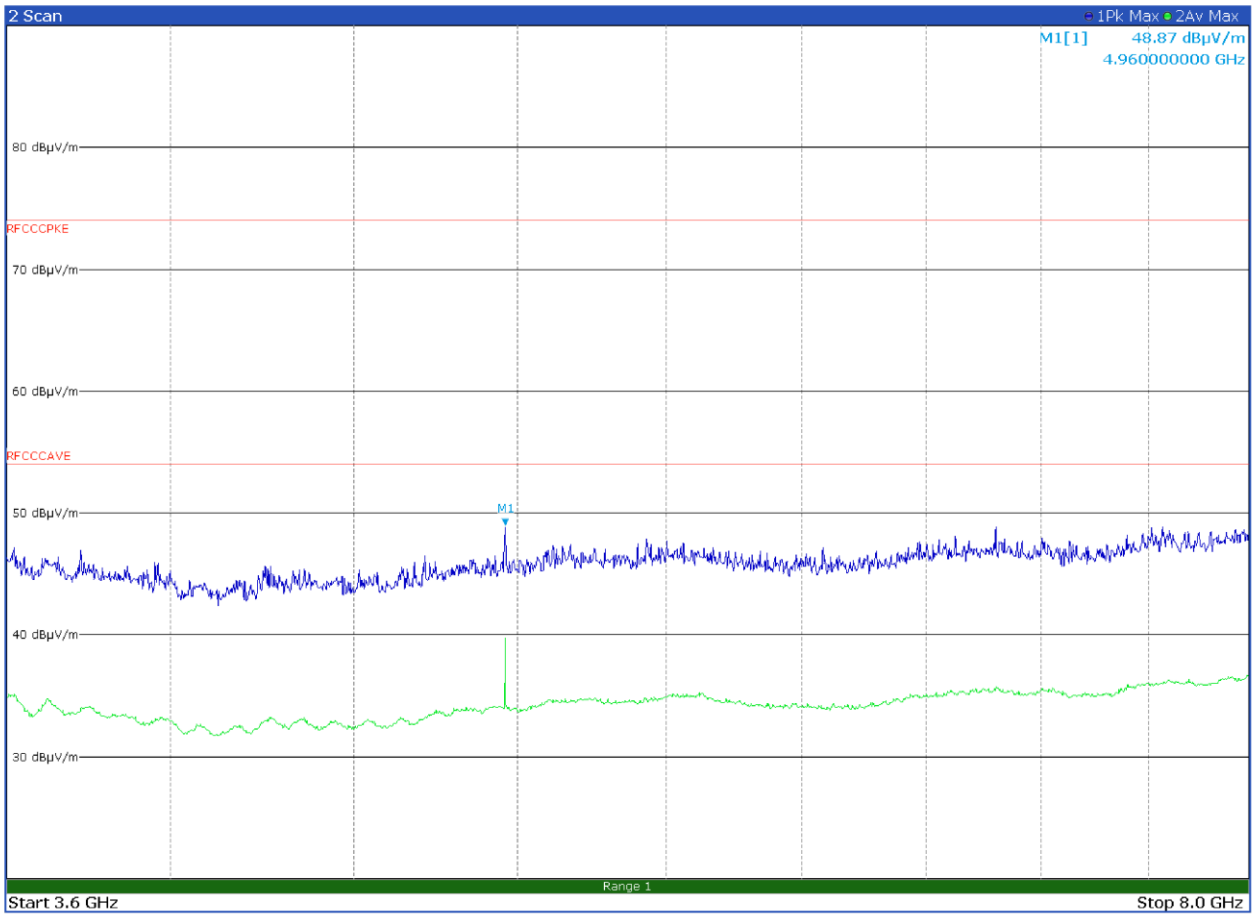


Figure 8.6-69: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in horizontal polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
4960.00	48.9	74.0	-25.1	PK
4960.00	48.4	54.0	-5.6	AV

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

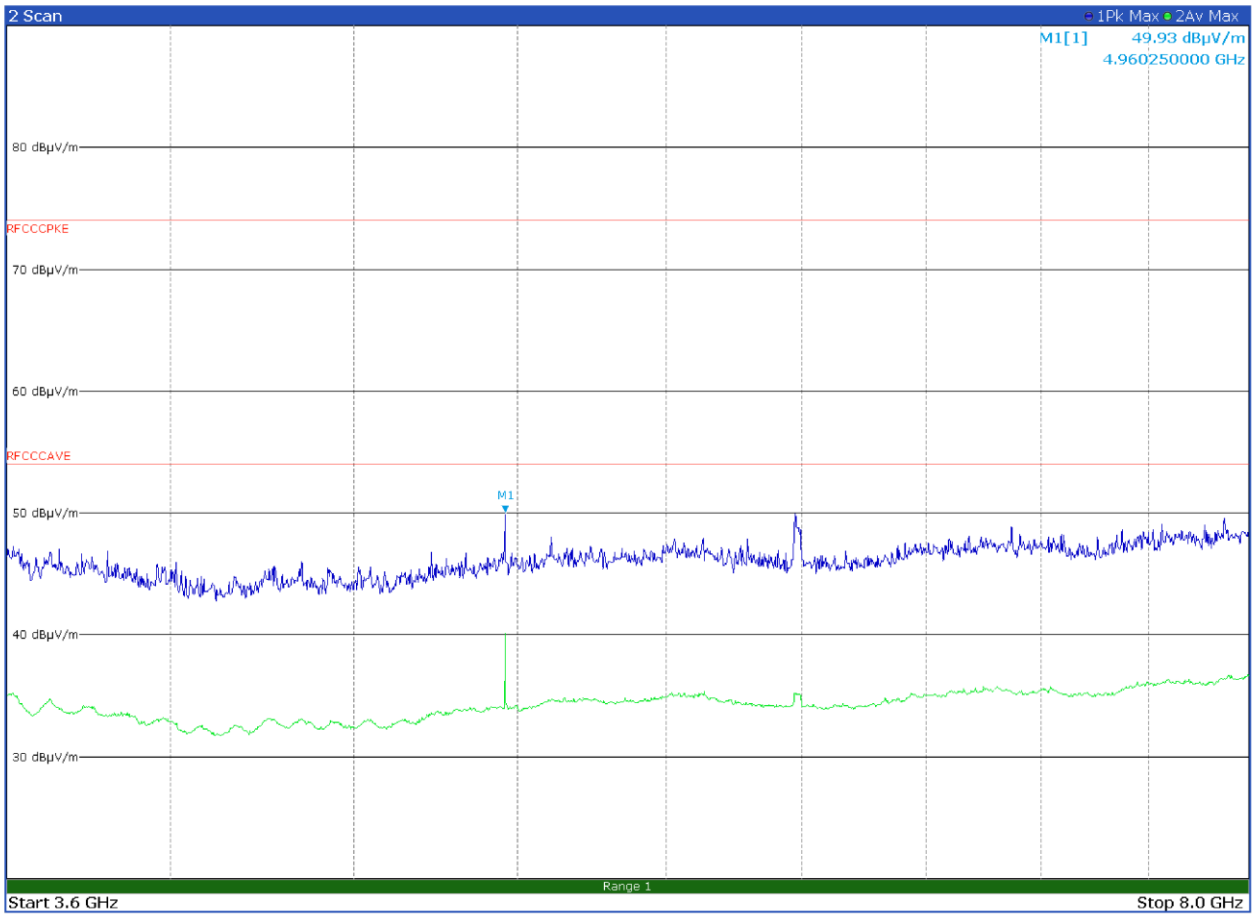


Figure 8.6-70: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in vertical polarization*

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
4960.25	49.9	74.0	-24.1	PK
4960.25	49.4	54.0	-4.6	AV

Note: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Test data, continued

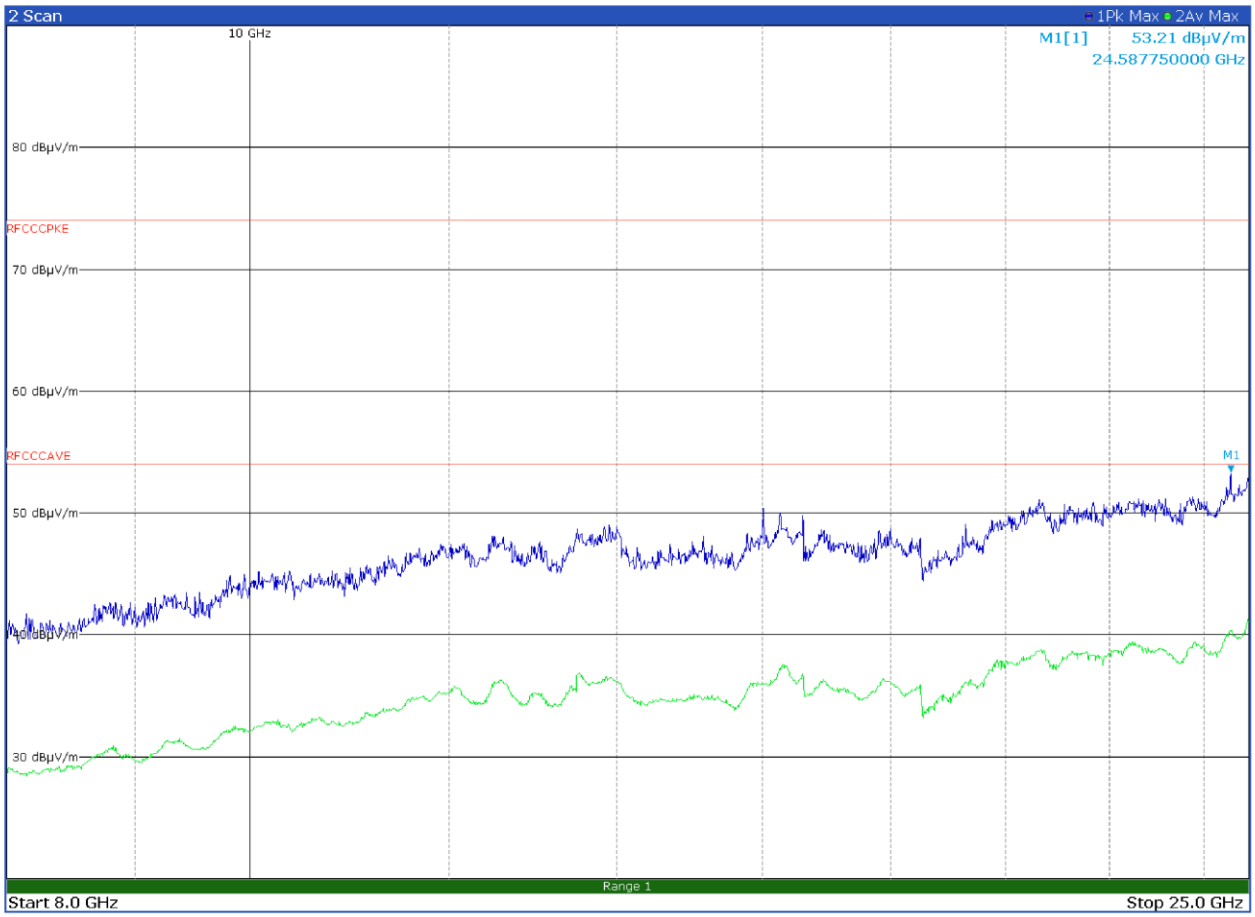


Figure 8.6-71: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in horizontal polarization*

No spurious detected

Test data, continued

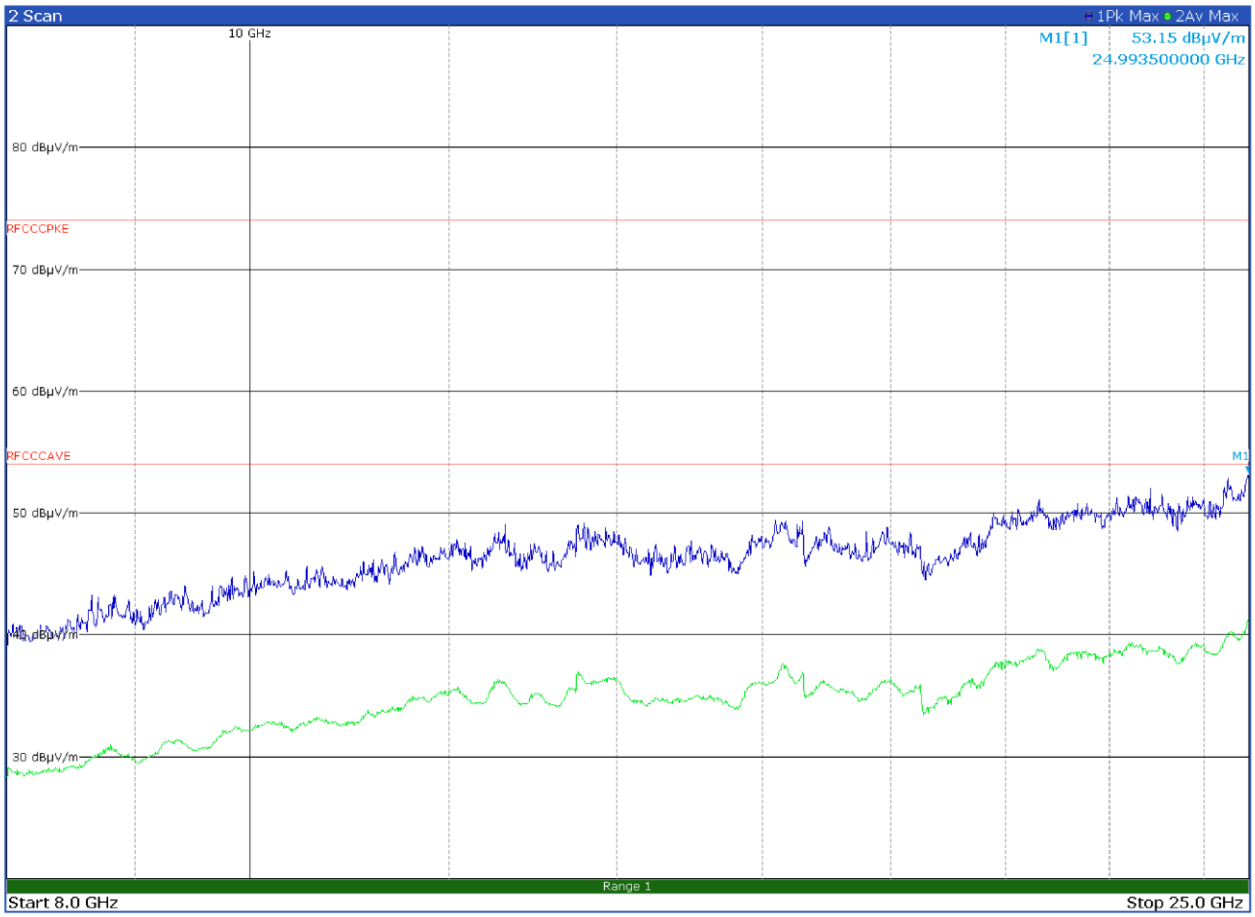


Figure 8.6-72: *Radiated spurious emissions for high channel 8-DPSK modulation – Antenna in vertical polarization*

No spurious detected

Test data, continued

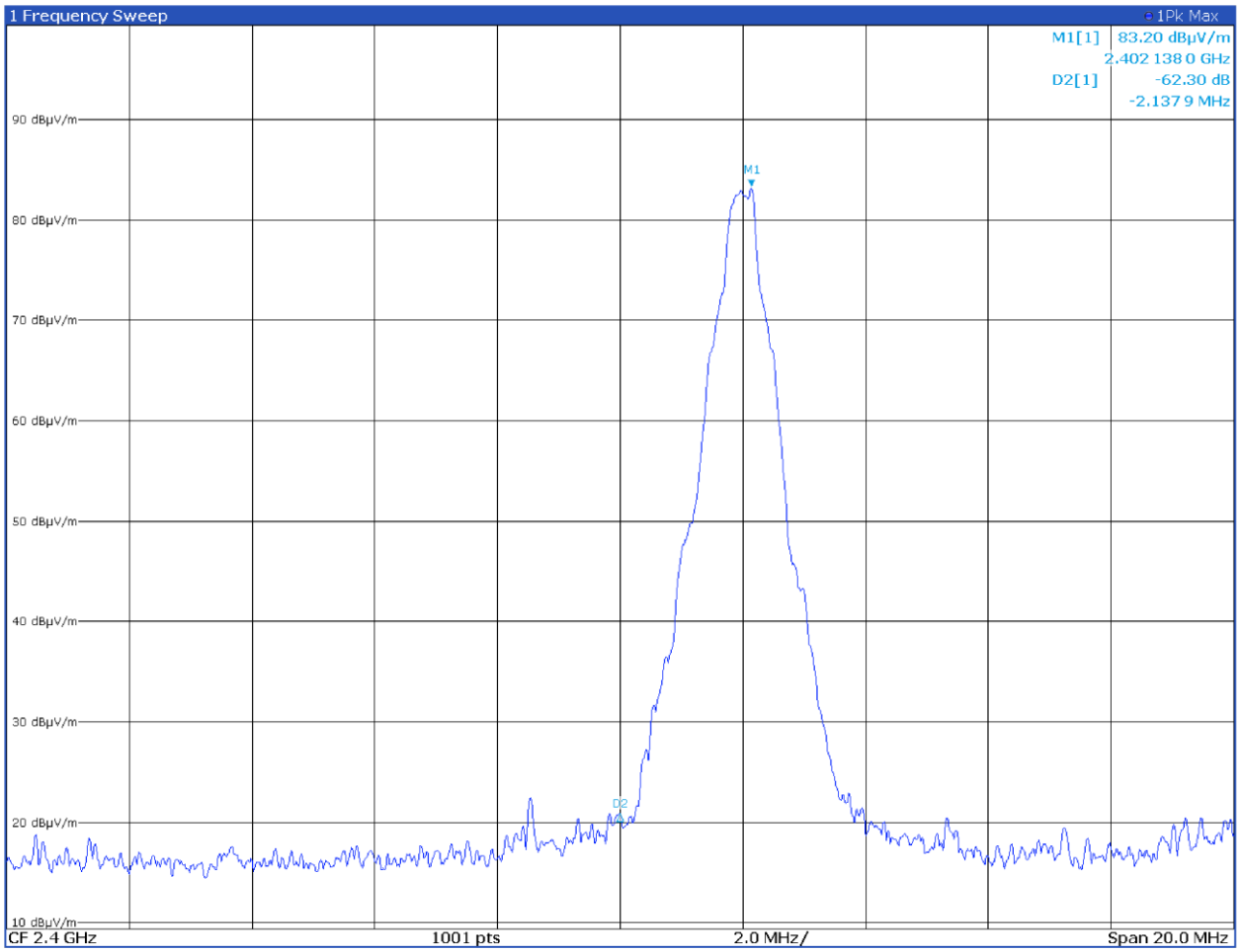


Figure 8.6-73: *Band edge for low channel GFSK modulation*

Test data, continued

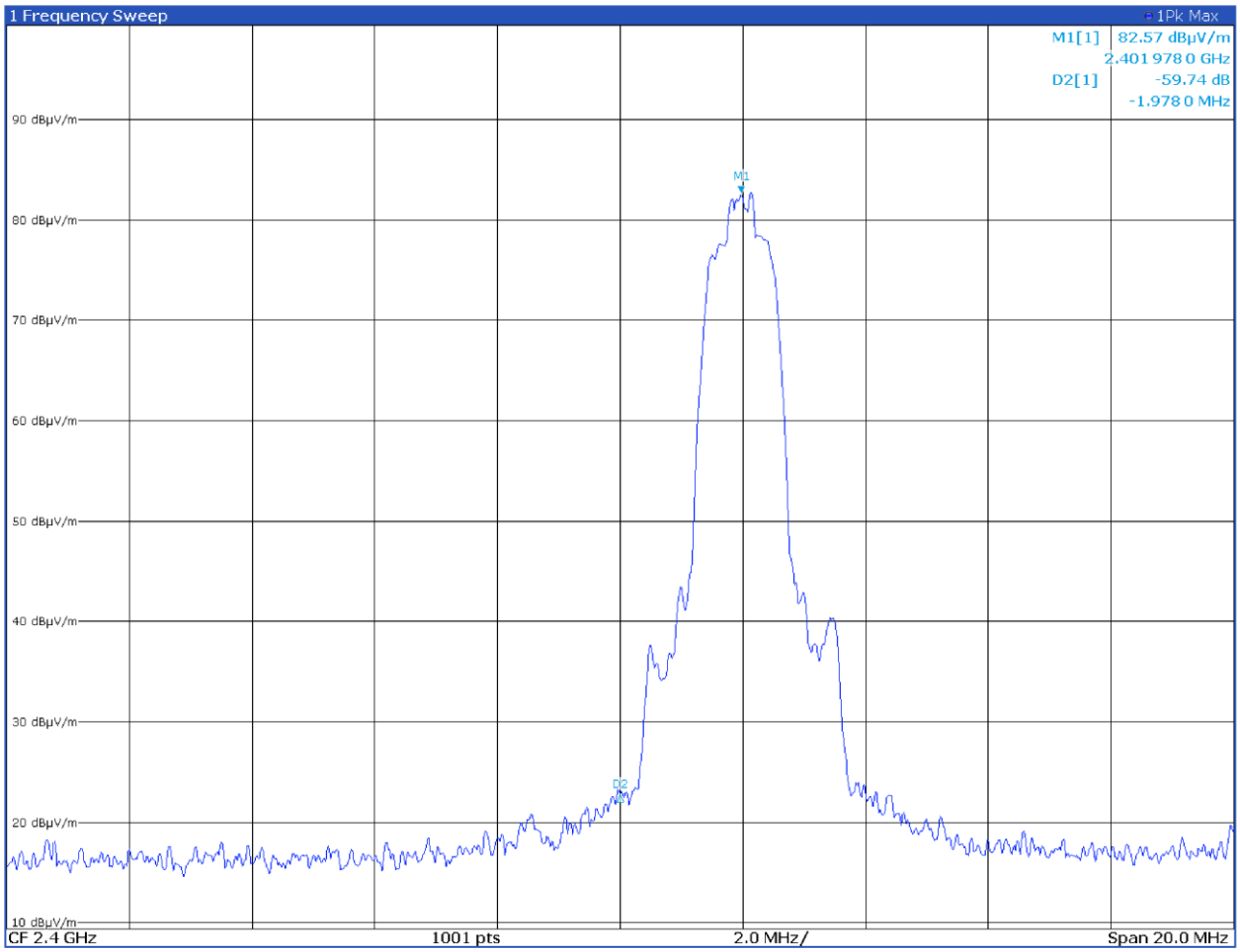


Figure 8.6-74: *Band edge for low channel π/4-DQPSK modulation*

Test data, continued

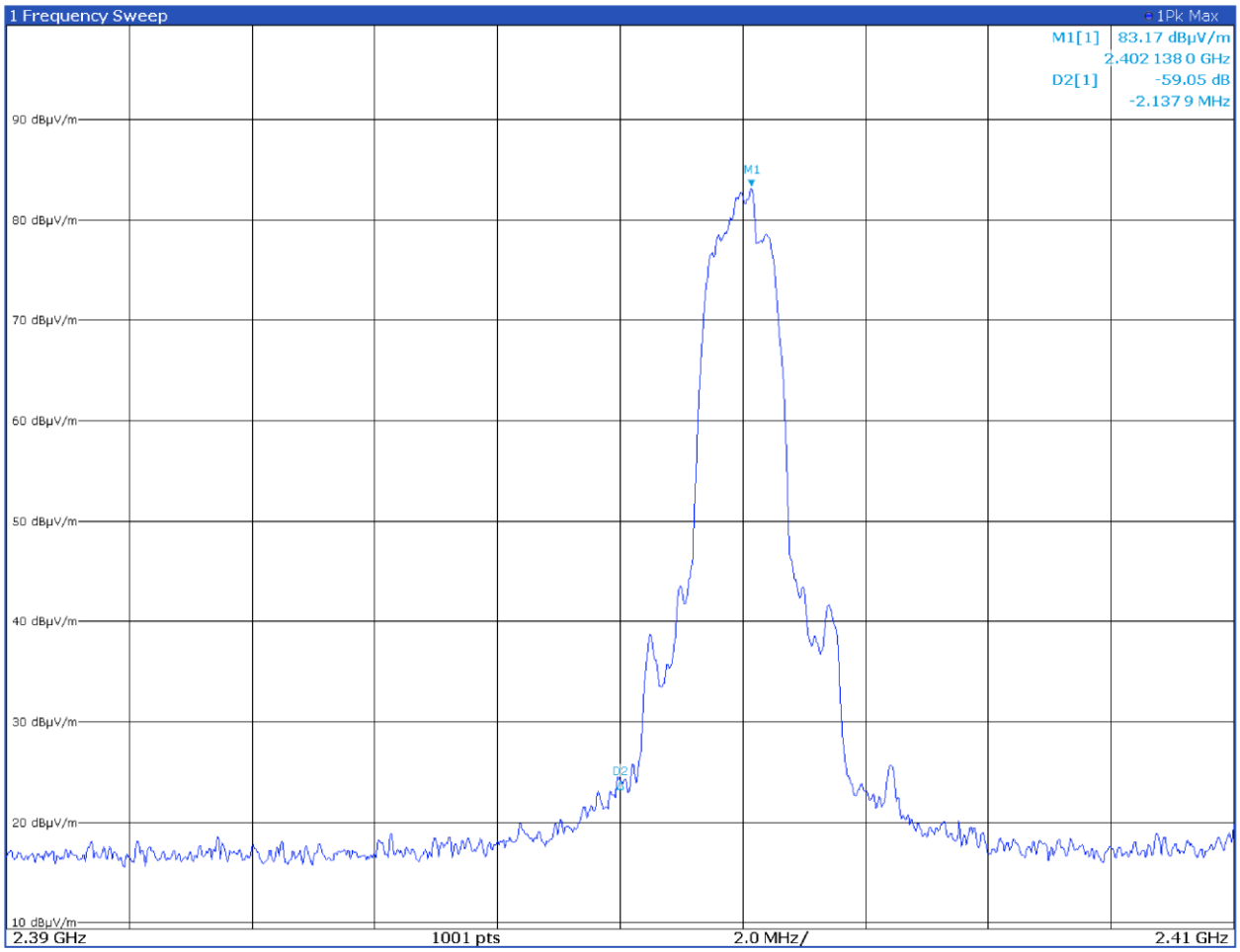


Figure 8.6-75: *Band edge for low channel 8-DPSK modulation*

Test data, continued

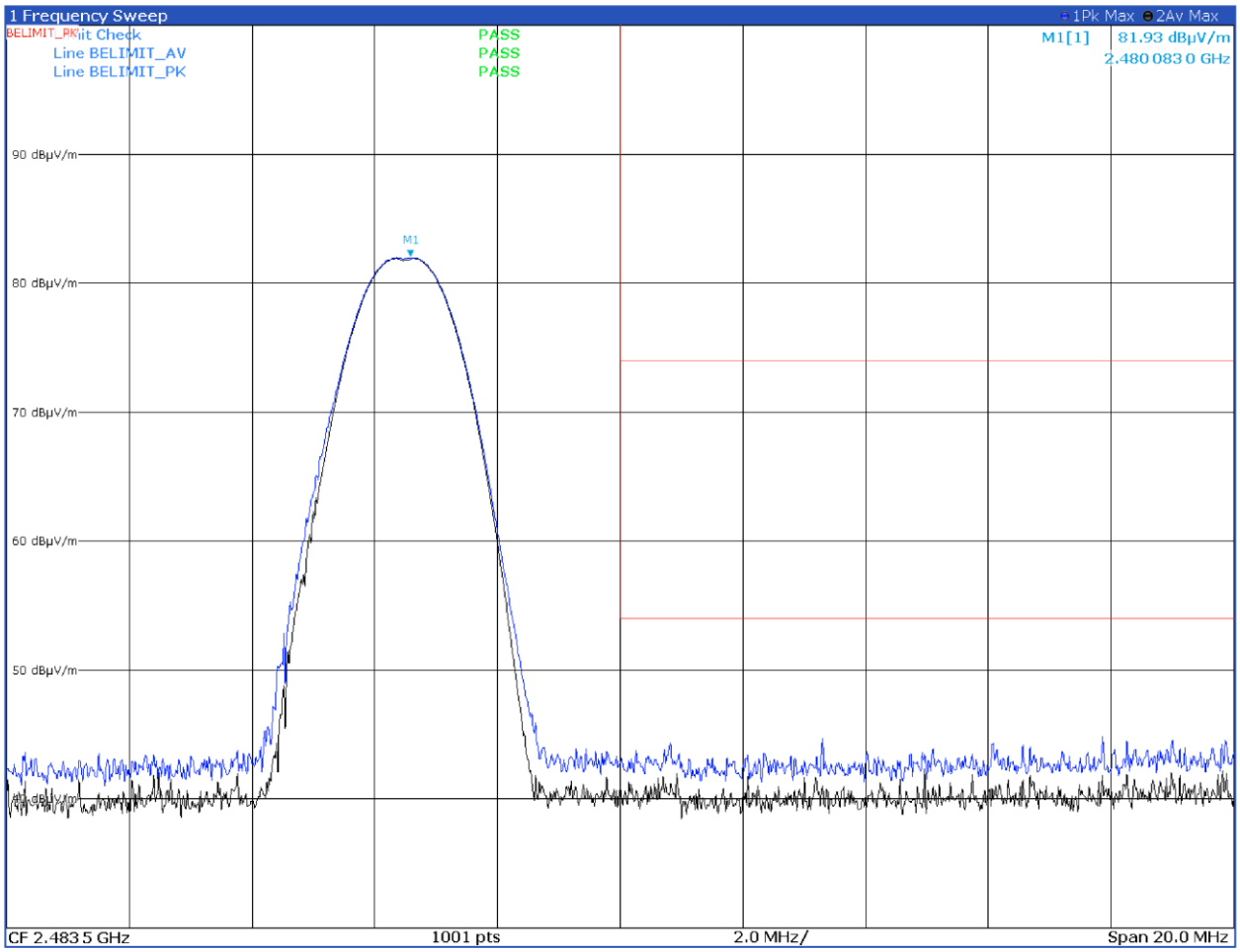


Figure 8.6-76: *Band edge for high channel GFSK modulation*

Test data, continued

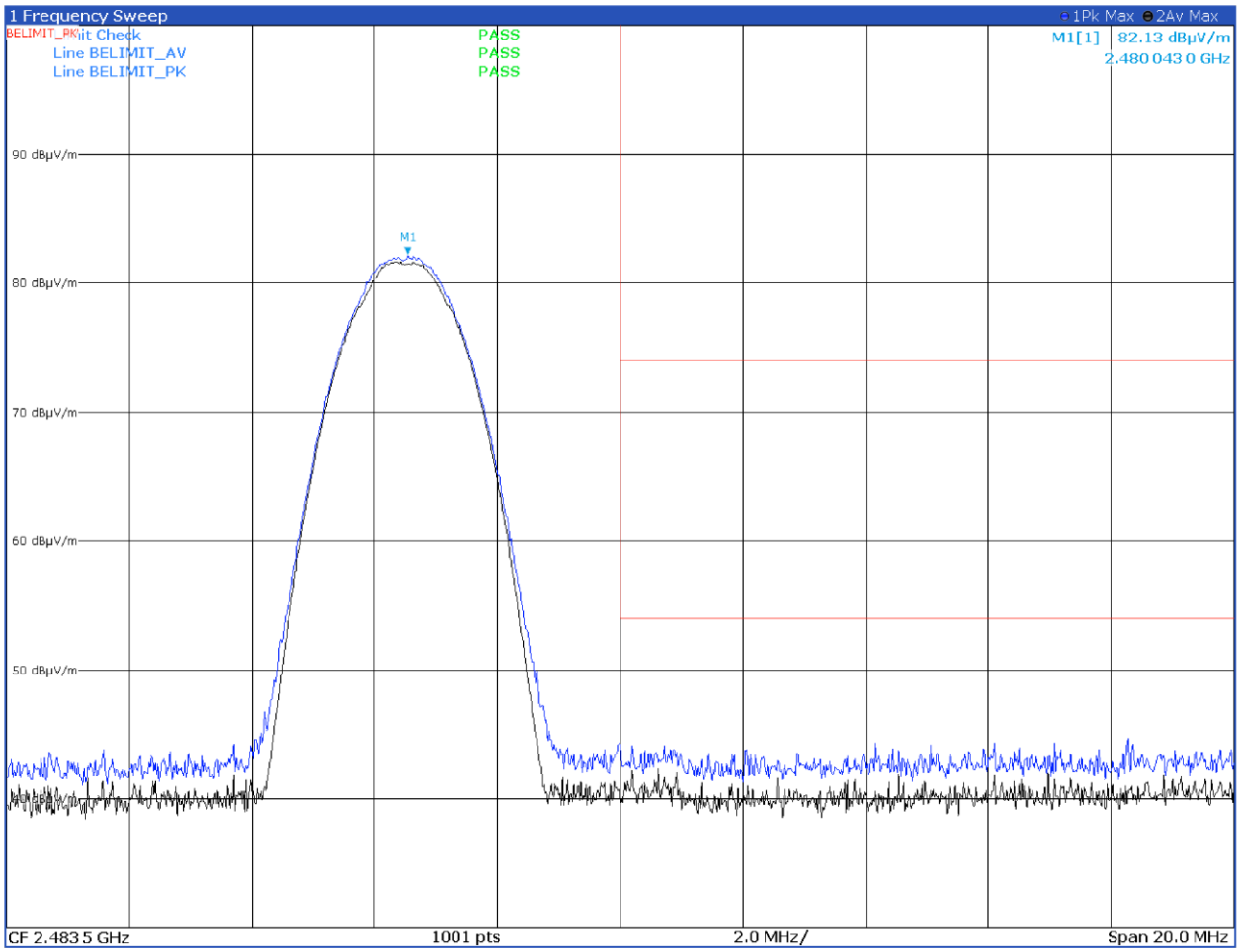


Figure 8.6-77: *Band edge for high channel π/4-DQPSK modulation*

Test data, continued

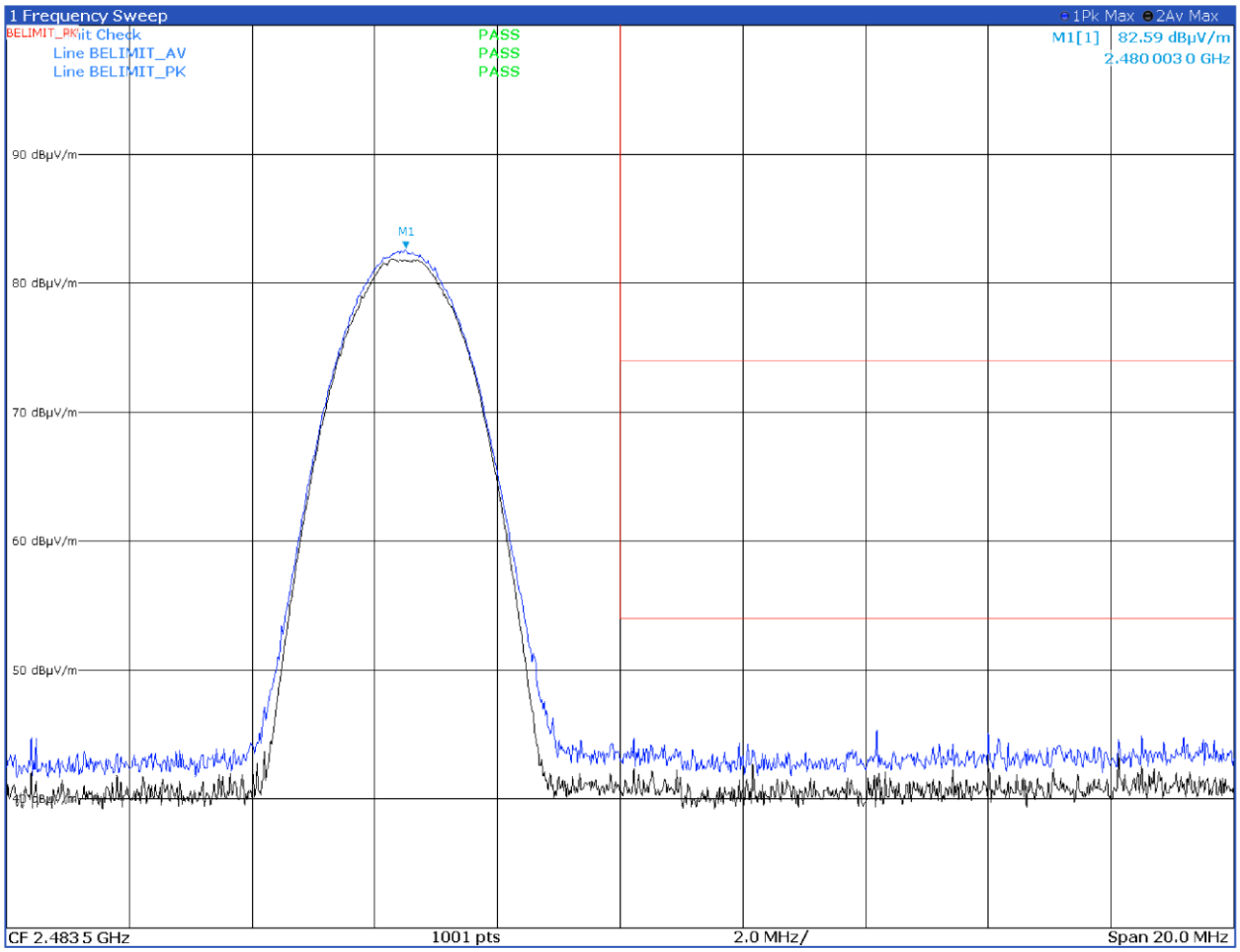


Figure 8.6-78: *Band edge for high channel 8-DPSK modulation*

Test data, continued

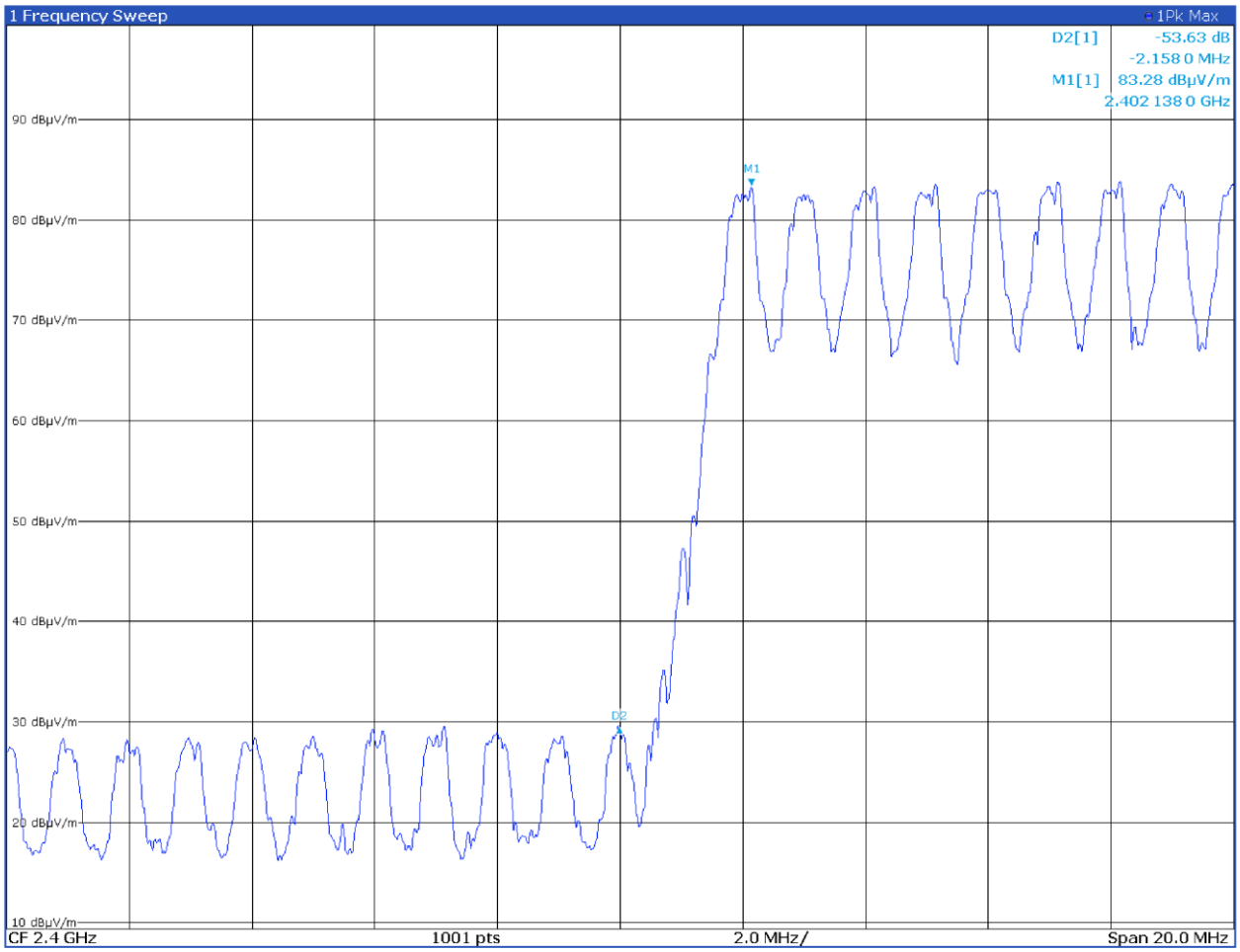


Figure 8.6-79: *Band edge for hopping mode GFSK modulation*

Test data, continued

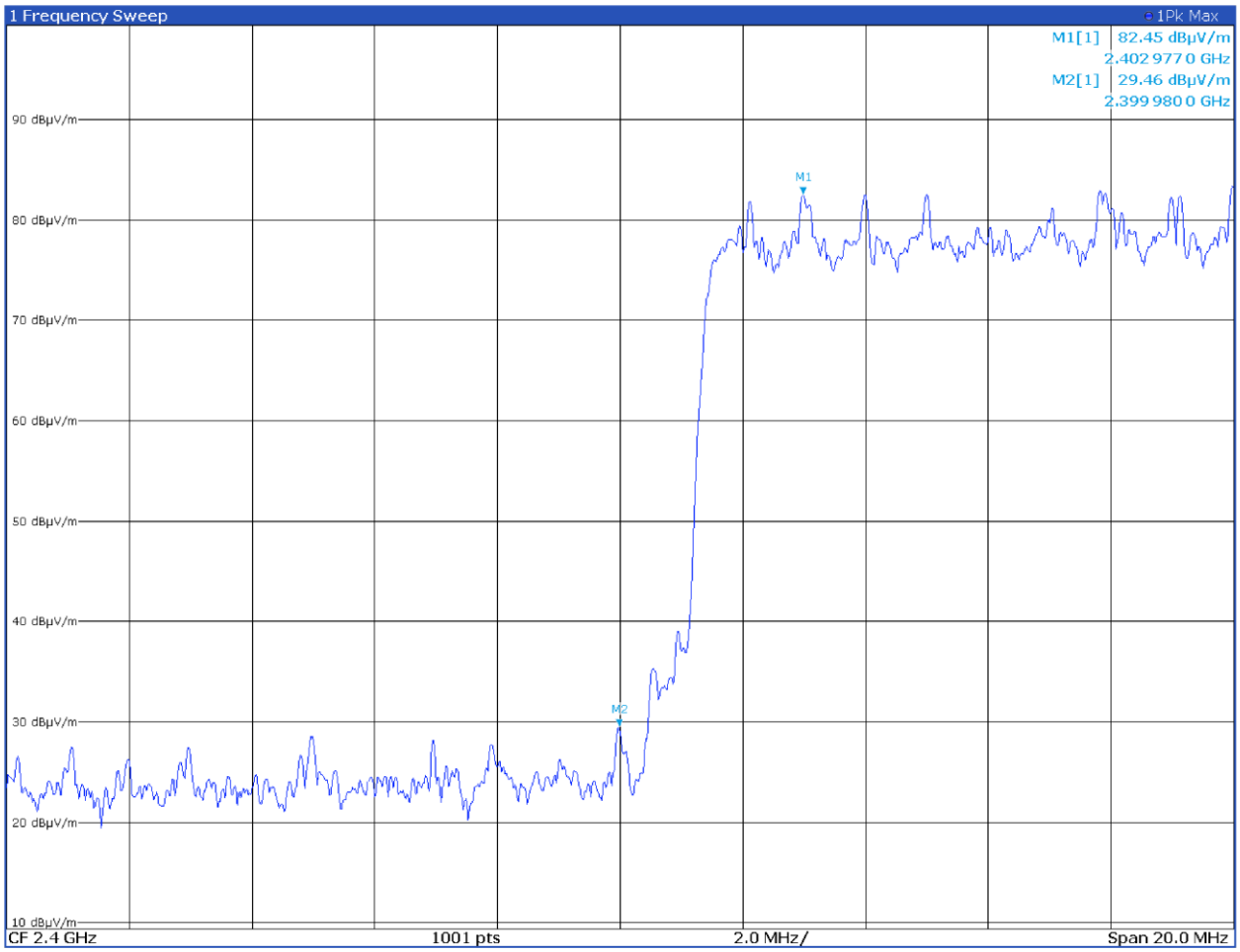


Figure 8.6-80: *Band edge for hopping mode π/4-DQPSK modulation*

Test data, continued

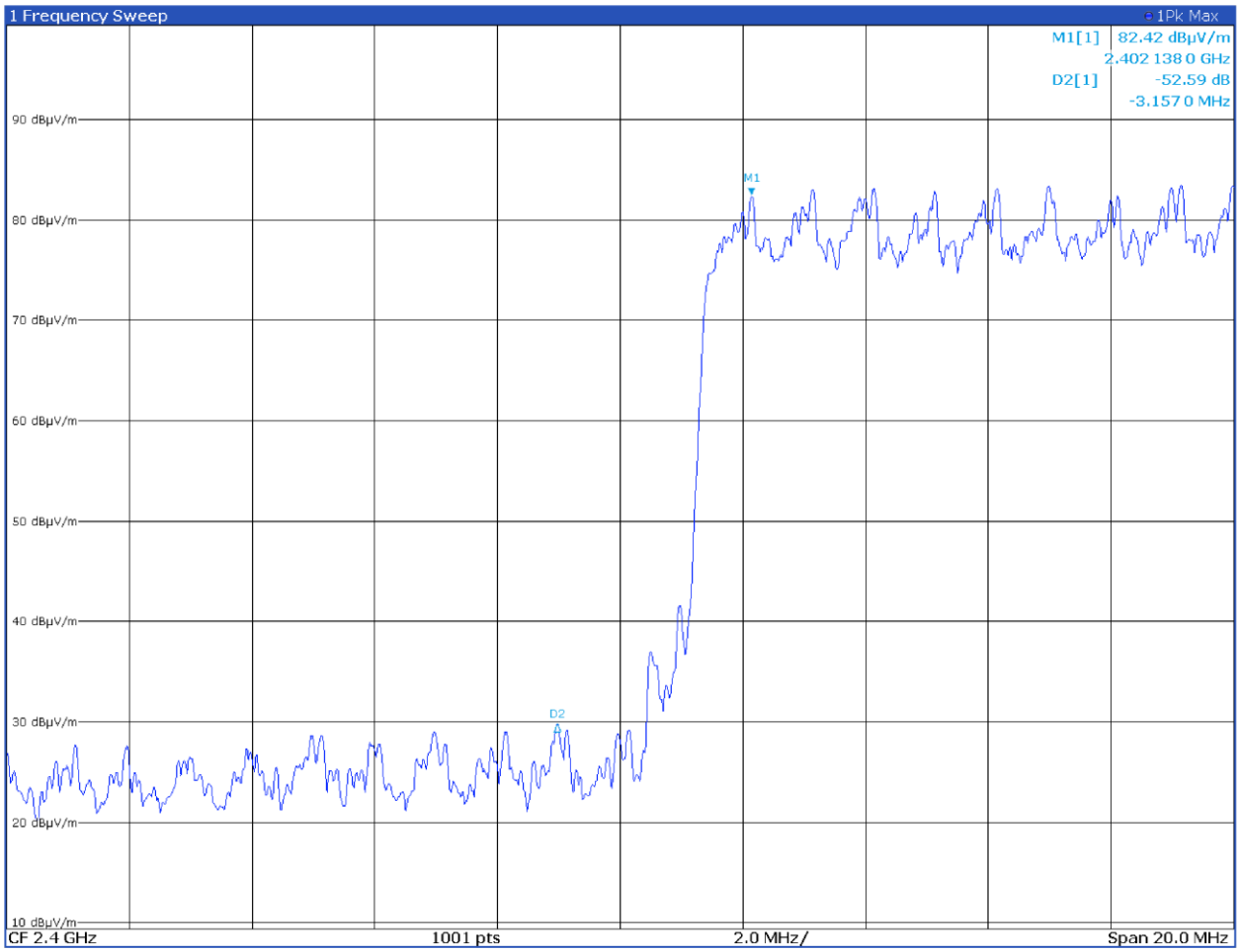


Figure 8.6-81: *Band edge for hopping mode 8-DPSK modulation*

Test data, continued

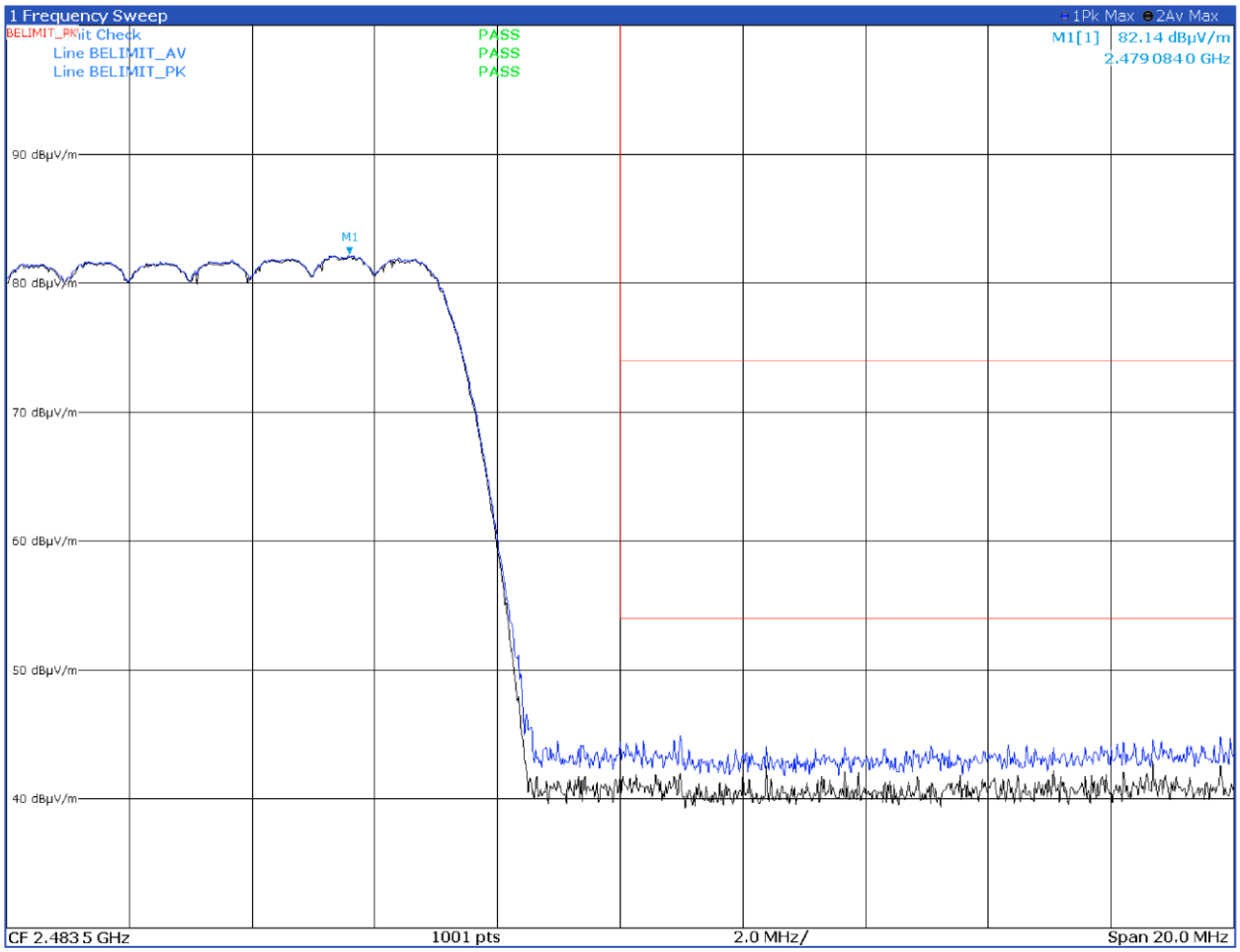


Figure 8.6-82: *Band edge for hopping mode GFSK modulation*

Test data, continued

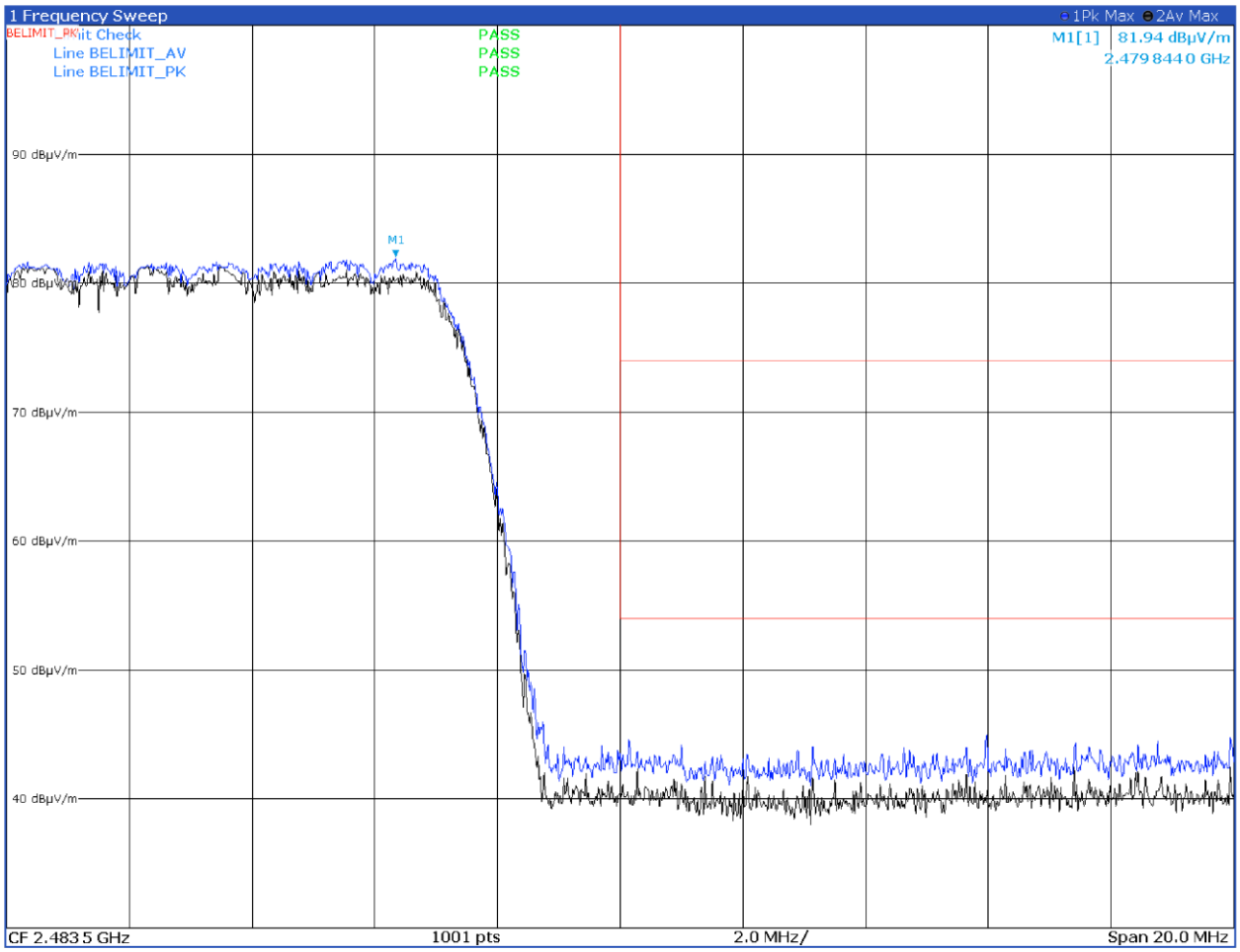


Figure 8.6-83: *Band edge for hopping mode π/4-DQPSK modulation*

Test data, continued

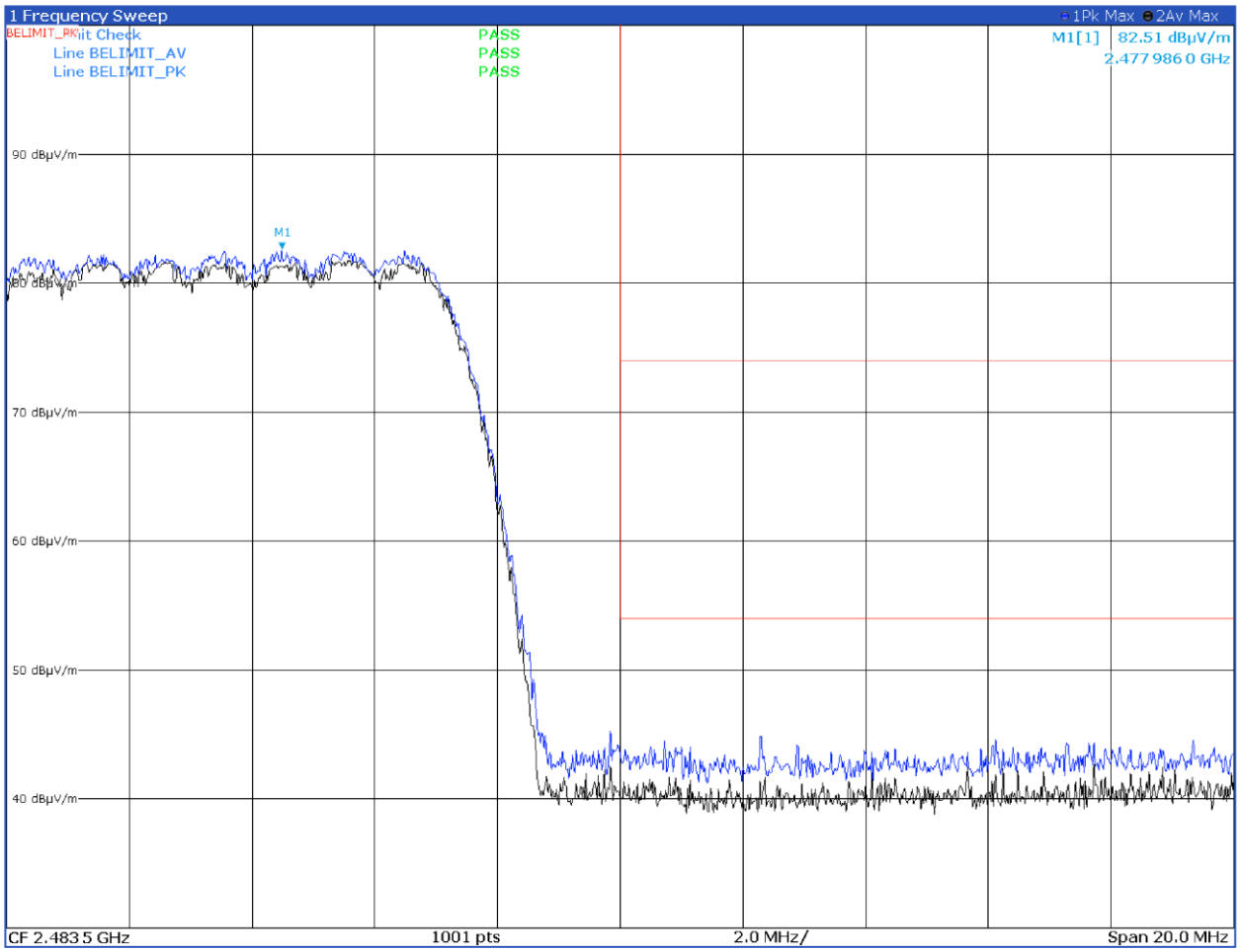
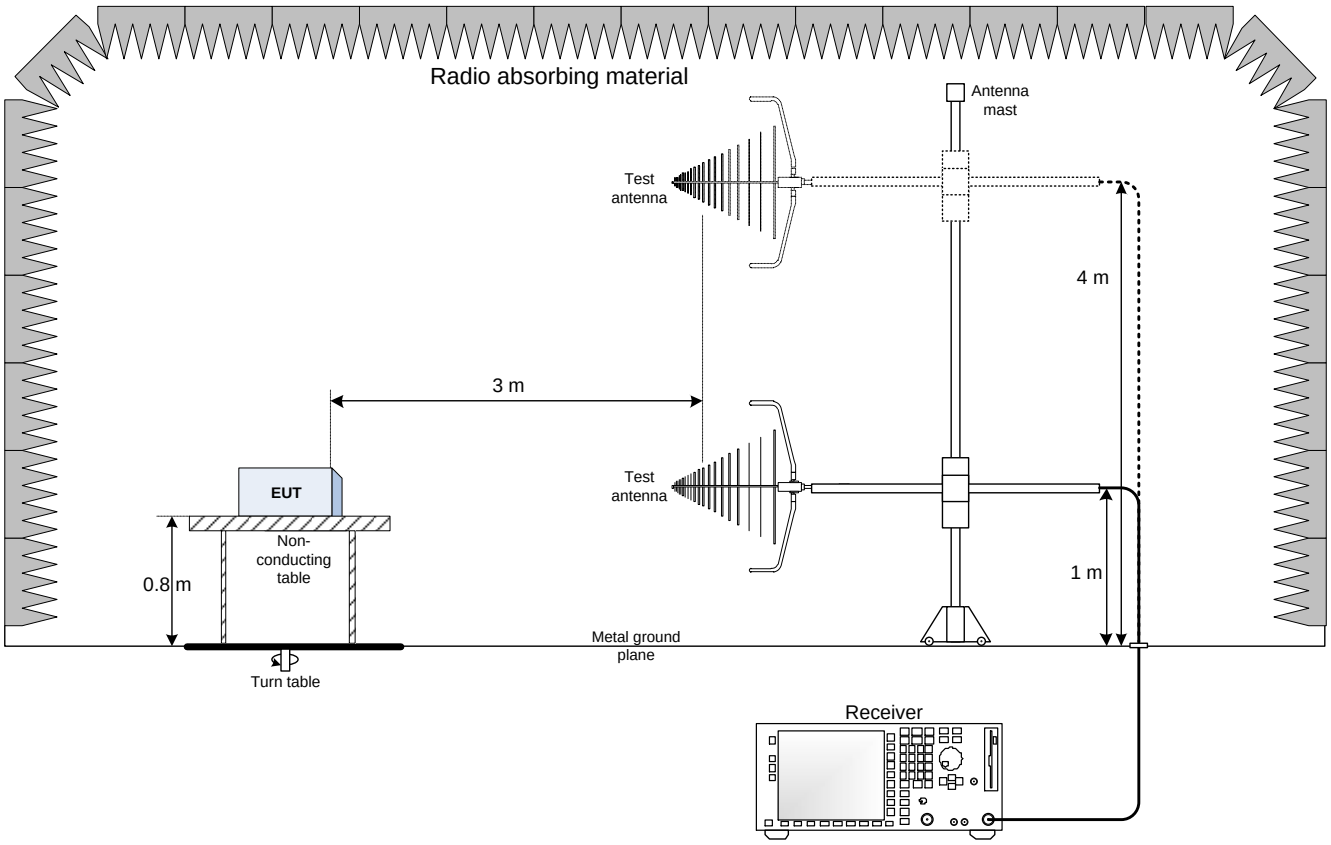


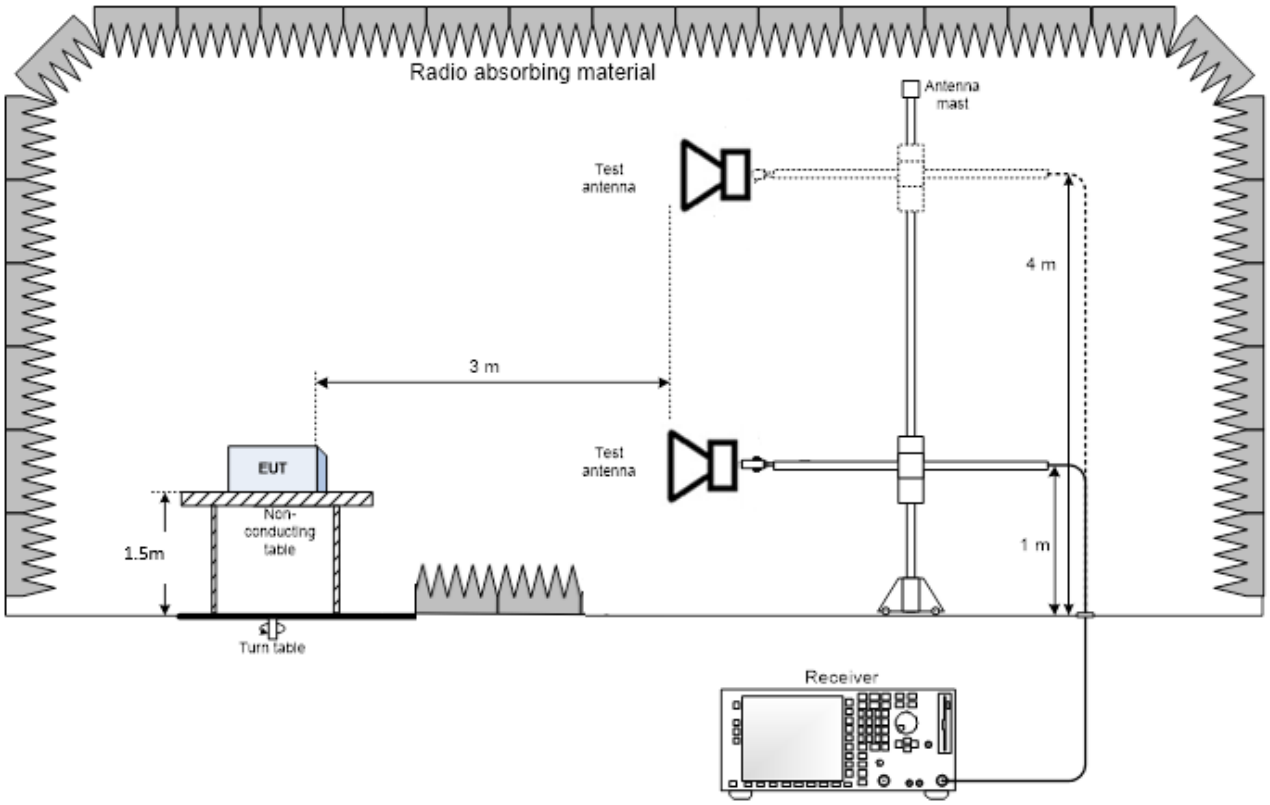
Figure 8.6-84: *Band edge for hopping mode 8-DPSK modulation*

Section 9. Block diagrams of test set-ups

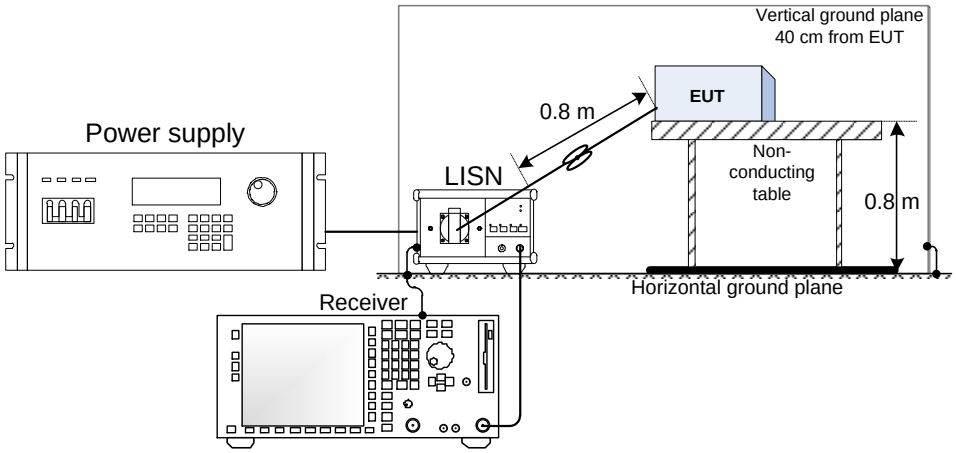
9.1 Radiated emissions set-up for frequencies below 1 GHz



9.2 Radiated emissions set-up for frequencies above 1 GHz

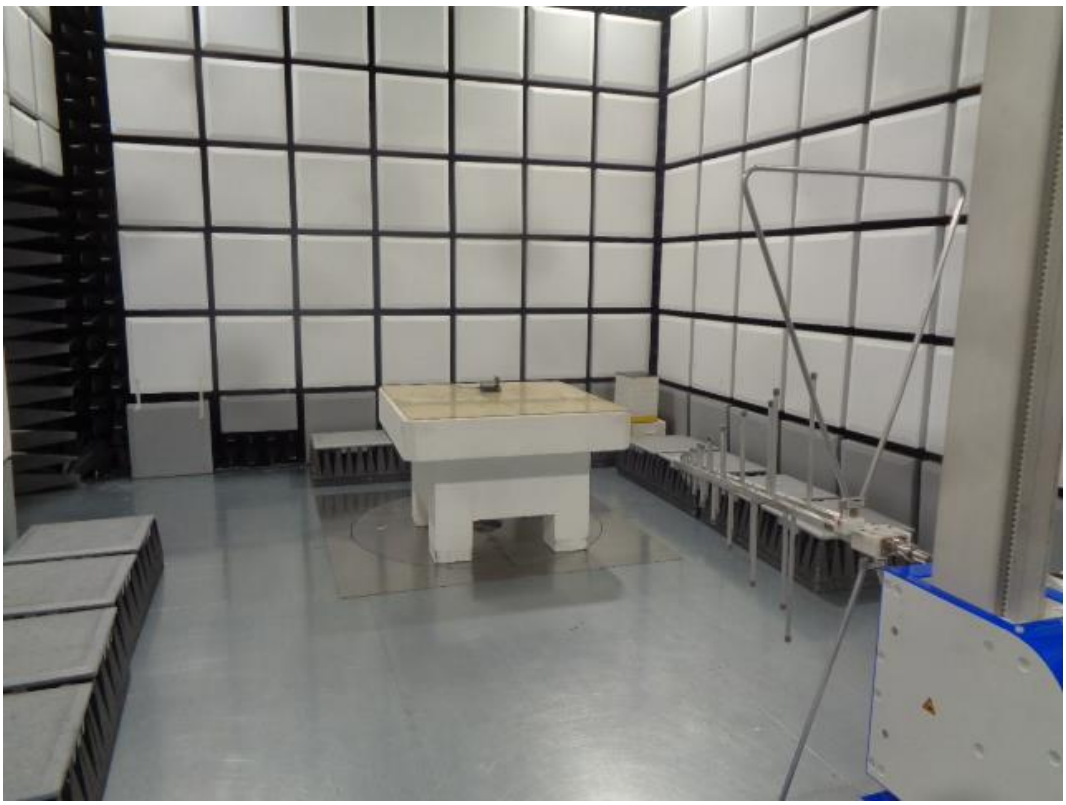


9.3 Conducted emissions set-up

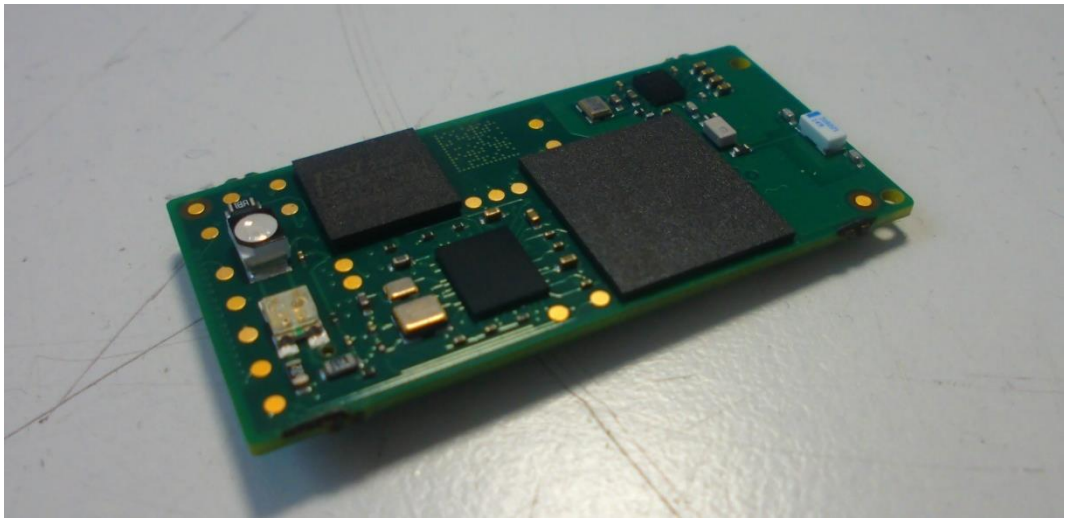


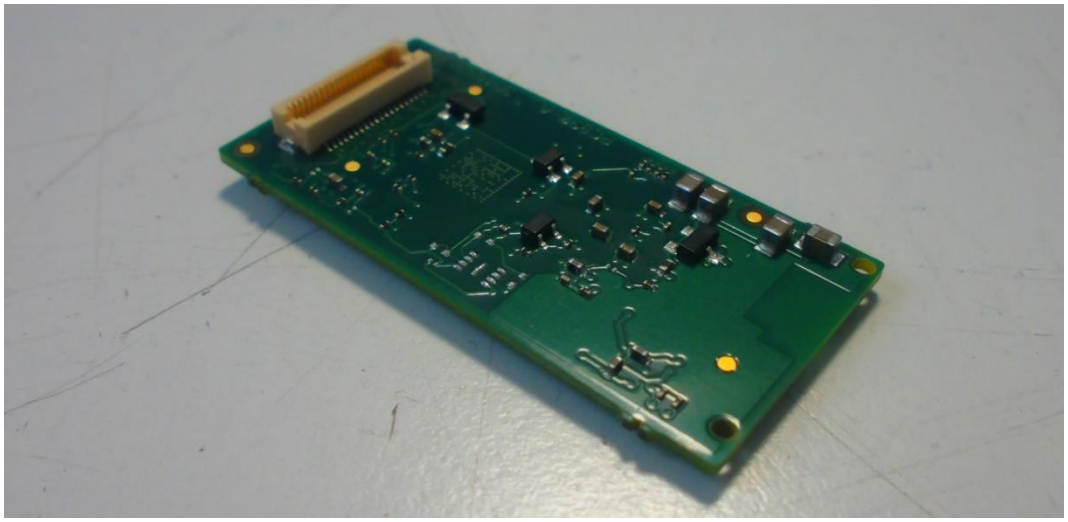
Section 10. Photos

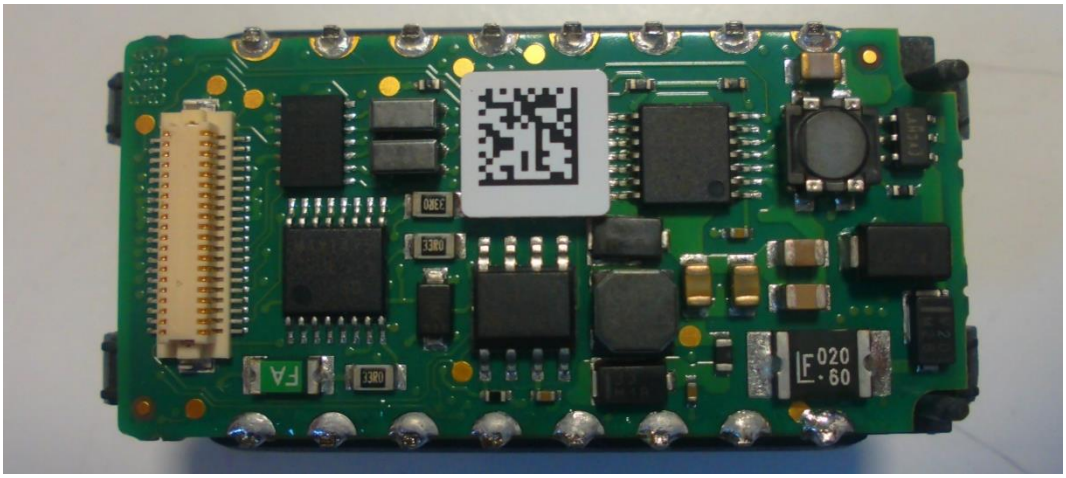
10.1 Test Set-up



10.2 EUT







End of report